

Rock Products

Stone Edition

MONTHLY

Vol. VI

CHICAGO, ILLS., JUNE 5, 1907

No. 13

The Climax Stone Co.

BUFF AND BLUE

BEDFORD STONE
BEDFORD, INDIANA

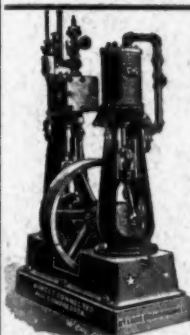
Rough, Sawed, Turned
Machine Dressed.

Estimates Given on all
kinds of cut work.

White Bowling Green Oolitic Stone

If you want a beautiful Building use our Stone. It is WHITE
when quarried and STAYS WHITE.

Oman Bowling Green Stone Company.
Quarries near Bowling Green, Ky. Office, Nashville, Tenn.



STAR AIR COMPRESSOR

Manufactured by
**St. Louis Steam
Engine Co.**
15 S. Commercial St.
ST. LOUIS, MO.

Write for catalogue
especially for the retail
Monument trade.

Special Features in this Number

Decoration Day Celebrations. ■
Completion of Minnesota State Capitol.
City Investing Building—A Thirty-Four Story Sky-Scraper in New
York.



Michael Cohen & Co.
St. James Building, Broadway and 28th St.,
NEW YORK CITY.

For patching all kinds of Limestones,
"DUGAN'S INVISIBLE PATCHER"
For repairing marble, granite,
sandstones, etc.,

"MEYER'S GERMAN
CEMENT AND LIQUID."
Directions for using with every can.

Stock constantly on hand. There are no better
materials on the market.
"Nash's Casing Book."

DIAMOND SAW BORTZ

Since 1880 we have made a study and specialty of the best kind of Diamond Bortz for sawing different stone. We have been so successful that demand has made us the largest importers of Diamond Bortz in America and the visit every three months of our Mr. D. Mendes to the European markets enables us to select only such Bortz as is most desirable and economical to use. Write us if using a Diamond Saw.

MENDES CUTTING FACTORIES, 12 John Street, New York City.

Green River Stone

THE STONE THAT GETS WHITE.

CADEN STONE CO., OFFICE AND YARDS,
411 to 425 E. Ohio St., **Evansville, Ind.**

Blocks Sawed, Planed and
Cut Stone for Building and
Monumental Purposes.
Send Plans for Estimates in
all kinds of Stone.

PULSOMETER STEAM PUMPS

SEE ADV. PAGE 9

ARE YOU REPRESENTED IN THE ADVERTISING
COLUMNS OF ROCK PRODUCTS? IT PAYS

Wardwell Electric and Steam Stone Channellers

FOR OVER 40 YEARS "WARDWELL'S"
HAVE STOOD FOR ECONOMICAL QUARRYING

GADDERS, STEAM DRILLS, BLOCK WAGONS, DERRICKS, WIRE ROPE,

QUARRY EQUIPMENT OF ALL KINDS.

STEAM STONE CUTTER COMPANY,

RUTLAND, VERMONT.

Do you want employment?
Do you want employees?
Do you want machinery?
Do you want to buy or sell anything?

TRY A CLASSIFIED LINER IN OUR

"Wanted and For Sale"

SECTION. QUICK RETURNS ON A SMALL INVESTMENT.

*# Lincoln
Quality
is HONEST Quality*

The stone saw
for the
profit - want
is the

Q Let us quote you on
the gang saw you
want--or any machine
for working stone.
Write for Catalog K
---or state your needs.

The Colusa
people, way off
in California,
talk like this:—

"The strength, wear, and
capacity of Lincoln planers are
all we can desire. In fact, we did
not know what solid comfort was
until we got your machines."

Stone-Working Machinery
built for speed *and* precision---
you can buy less for less, but
never so much for *the* money

LINCOLN-MERRIMAN CENTER-CRANK GANG

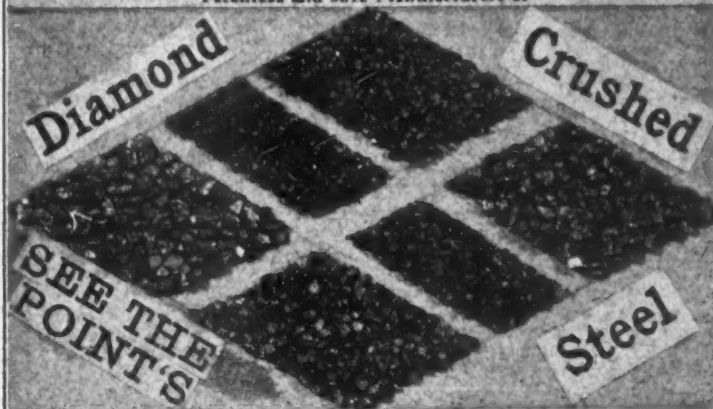
† Heaviest gang built---20,000
pounds with steel frame, 24,000
with timber frame. † 72-inch
balance wheel weighs 2,000
pounds. † Never knew our

center-draw crankshaft to break.
† Whole saw built for service,
speed, easy running---screwfeed
assures accurate cut and no
racking nor waste power.

LINCOLN IRON WORKS
RUTLAND VERMONT

Pittsburg Crushed Steel Company, Ltd.
PITTSBURG, PA., U. S. A.

Patentees and Sole Manufacturers of



Angular in shape, made from high grade Crucible Steel. Tough and
lasting. Saws, Rubs, Grinds, Polisher Granite, Stone, Marble, Brick,
etc., etc. Does it cheaper and faster than any other Abrasive. Write
for prices and samples.

Sole Agents for Celebrated "Samson" Chilled Shot. Samples and
prices furnished on application.

AIR Compressors
Stone Tools
of every description.
Catalogue Gratis.
American Air Compressor Works, 26 Cortlandt Street,
NEW YORK CITY.

Conveying Stone with a Jeffrey Rubber Belt Conveyor



(IN SOUTH AFRICA.)

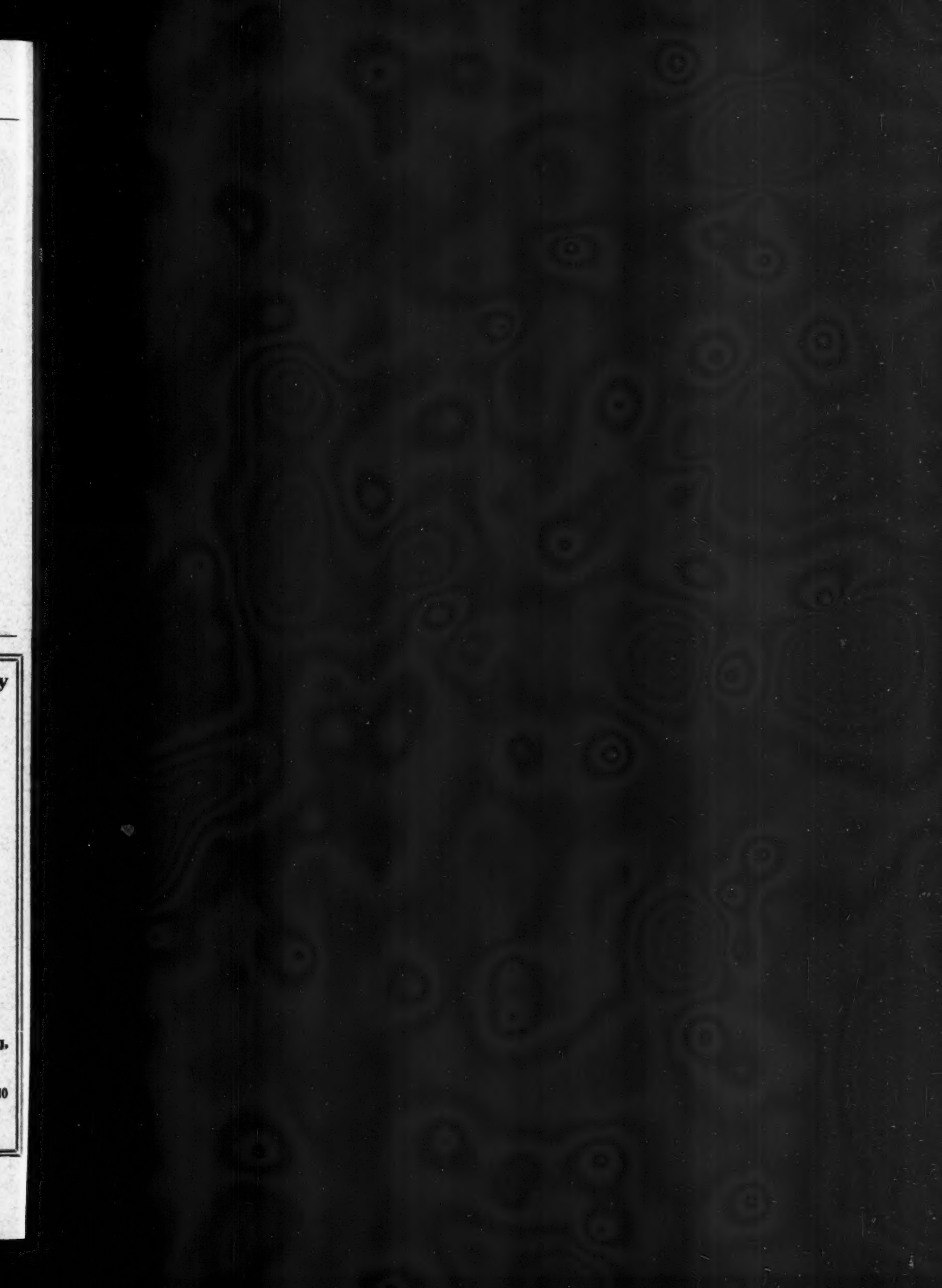
ADAPTED ALSO FOR CONVEYING PACKAGES

Screening, Crushing, Conveying, Elevating,
Drilling, Mining

Catalogs Free

THE JEFFREY MFG. CO., COLUMBUS, OHIO
U. S. A.

New York, Pittsburg, St. Louis, Knoxville, Chicago, Boston, Denver,
Charleston, W. Va., Montreal, Canada



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STONE EDITION

MONTHLY

Volume VI.

CHICAGO, ILL., JUNE 5, 1907.

Number 13.

MINNESOTA'S MARBLE CAPITOL

After Eleven Years of Conscientious Effort on the Part of the Public Commissioners and Skillful Co-operation of Artists, Contractors and Craftsmen in Every Department of the Building Trades the Splendid Design of Cass Gilbert is Brought to Completion in His Home City of St. Paul

The people of Minnesota feel that, in the new state capitol erected on Capitol Hill in St. Paul, they have one of the finest state buildings which the country affords. There are more expensive structures to be found in many of the older states, but when compared as to appearance, convenience and general esthetic and practical arrangement, this edifice will equal any public structure of its kind in the land. In this opinion Minnesota people are not alone, for it is the expression of many a visitor from afar. Another feature which stands out conspicuously in connection with this building, especially so

when compared with some other state structures, is that there has not been a serious charge of graft connected with the work from start to finish. On the completion of the building two years ago there was a legislative investigation of the work of the commission. This investigation was not because of any feeling of irregularities, but was more in the manner of an auditing of the books of the commission. A careful investigation resulted in a report that the work of the Board of Capitol Commissioners was well and faithfully handled, and there was nothing in the way of irregularities to complain

of. With the records which exist in other states this is indeed a result to be proud of.

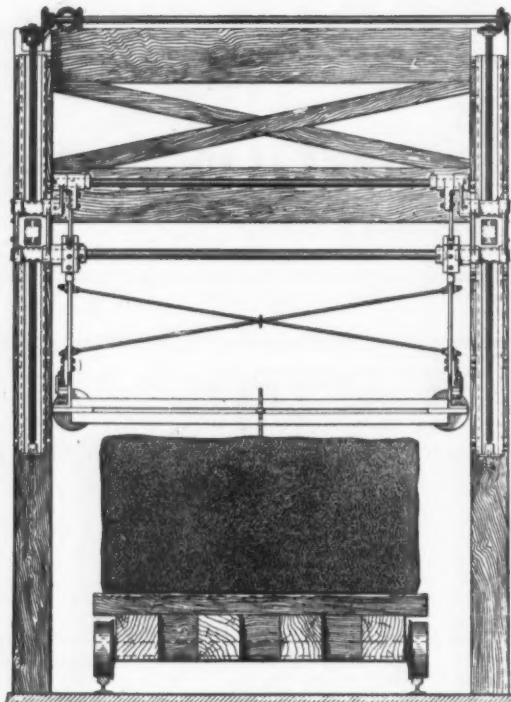
In 1893 the legislature appropriated money for the work and arranged for the commission to have the matter in hand. It was two years before the design was adopted and, after a competition for plans, those of Cass Gilbert of St. Paul were selected. The original appropriation provided for a building to cost \$1,500,000, but even under the prices and conditions then ruling it is improbable that the building desired by the legislature and the

Continued on page 14



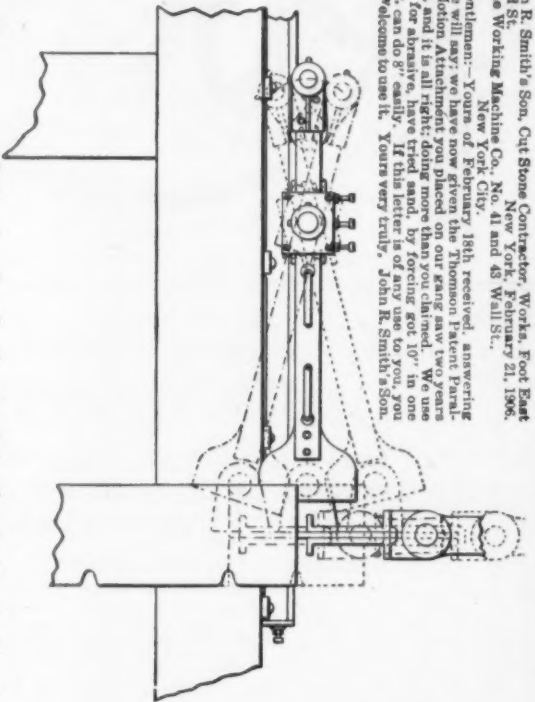
MINNESOTA STATE CAPITOL OF GEORGIA MARBLE, AS RECENTLY COMPLETED.

The Thomson Patent Parallel-Motion GANG and RIPSAW



These saws can be seen in operation at any of the following stone yards:

CARR & BALL, Harrison, N. J.
J. J. SPURR & SON, Harrison, N. J.
DURRIE & DAVIDSON, Harrison, N. J.
A. J. HOERNER & SONS, Newark, N. J.
B. A. & G. N. WILLIAMS, Washington, D. C.
BARR, THAW & FRASER, Hoboken, N. J.
DAVID G. MORRISON, L. I. City, N. Y.
JOHN R. SMITH'S SONS, Ft. E, 103 7th St., New York City.
JAMES MUIR, Springfield, Mass.
KIRKPATRICK BROS., Philadelphia, Pa.
BUCK & GALLAGHER, Philadelphia, Pa.
SOUTH SIDE STONE CO., Bloomington, Ind.
CONN. STEAM BROWNSTONE CO., Portland, Conn.
EVERGREEN STEAM STONE WORKS, Evergreen, N. Y.
J. H. HUTCHINSON, St. Henri, Canada.
SEATTLE CUT STONE CONTRACTING CO., Seattle, Wash.



John R. Smith's Son, Cut Stone Contractor, Works, Foot East 103rd St., New York City, February 21, 1906.
Gentlemen:—Yours of January 18th received, answering same will say: we have now given the Thomson Patent Parallel Motion Attachment you placed on our gang saw two years trial, and it is all right; doing more than you claimed. We use it for abrasive, have tried sand, by forcing out 10' in one hour, can do it easily. If this letter is of any use to you, you are welcome to use it. Yours very truly, John R. Smith's son.

The Stone Working Machine Co.,
41 and 43 Wall Street,
New York City.

Gentlemen:—In reply to yours of recent date, would say; that we had such confidence in the Thomson attachment for stone saws that we put in the first two manufactured. We have had them in operation now nearly five years, and are pleased to say our judgment has been more than justified. We are confident there is nothing in the market equal to them. The cost for repairs has been practically nothing, and they continue to give every satisfaction. You may use this letter if it will help you in your sales. Yours very truly,

CARR & BALL,
111-121 Passaic Ave.
Harrison, N. J., Feb. 20, 1906.

WORKS:
Ave. A and 68th St., N. Y. City.
Mill and Orchard Sts., Astoria, L. I.
South Capitol and I Sts., Washington, D. C.
Ball Ground, Georgia.

New York, April 19, 1906.
Mr. W. F. RANNEY,
General Manager, Stone Working Machine Co.,
New York City.

Dear Sir:—In reply to the letter of inquiry you sent us with reference to the gang of saws furnished us at our yard at South Capitol and I Streets, Washington, D. C. will say, this gang is working very satisfactorily and is cutting about 60 per cent more than our other gangs under similar conditions in South Dover Marble. Up to the present time we have had very few repairs and we think very well of your Machine. Yours very truly,

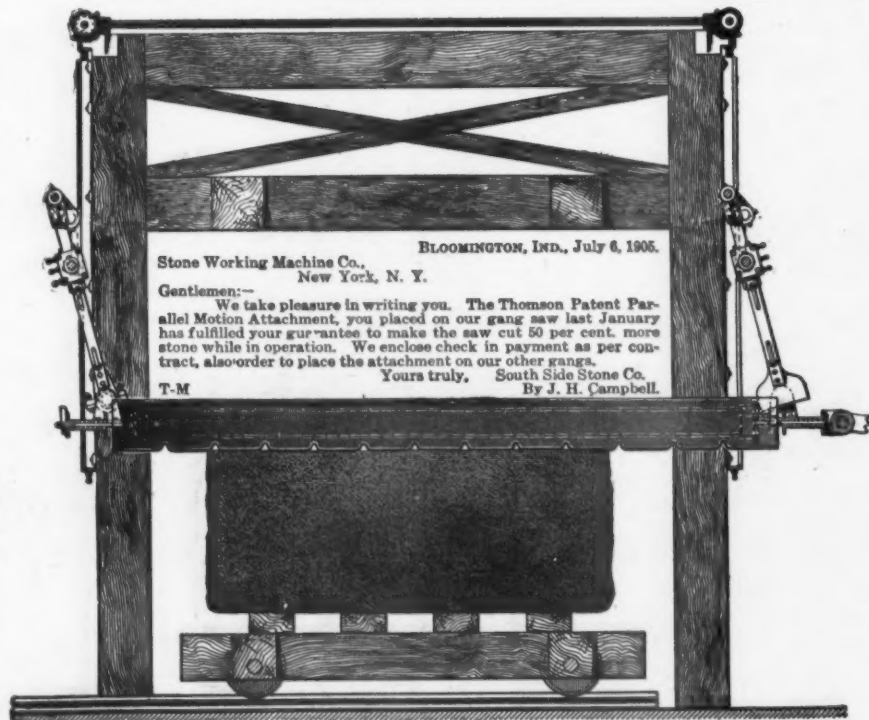
B. A. & G. N. WILLIAMS,
5 and 7 E. 42nd St., N. Y.
B. A. Williams, Pres.

Kirkpatrick Bros.
23d St. and Washington Ave.
Philadelphia, February 2, 1906.
Stone Working Machine Co.,
41 and 43 Wall Street,
New York City.

Gentlemen:—Yours of 1st inst. received. In answer would state that we have had a complete new saw of yours in use for two years. It has been working very satisfactorily. We can saw more than twice what we could with the former gang saws, and require but little more power. Yours truly,

KIRKPATRICK BROS.

Stone Working Machine Company



Stone Working Machine Co.,
New York, N. Y.

Gentlemen:—We take pleasure in writing you. The Thomson Patent Parallel Motion Attachment, you placed on our gang saw last January has fulfilled your guarantee to make the saw cut 50 per cent. more stone while in operation. We enclose check in payment as per contract, also order to place the attachment on our other gangs. Yours truly, South Side Stone Co.
T-M By J. H. Campbell.

BLOOMINGTON, IND., July 6, 1905.

SOLE OWNER OF ALL PATENTS AND MANUFACTURING RIGHTS

W. F. RANNEY, Manager,

43 WAL ST., AND 43 EXCHANGE PL.,

New York City.

J. J. SPURR & SONS,
Harrison, N. J. Feb. 20, 1906
Stone Working Machine Co.,
41 and 43 Wall Street,
New York City.

Gentlemen:—Replying to yours of February 15th, regarding Thomson Patent Parallel Motion Attachment will say; we have been using the two placed on our saws for the past three years, and during that time they have received hard usage. Have had to make some repairs this winter, but we are perfectly satisfied and highly recommend them. Yours truly,

JOSEPH J. SPURR & SONS

JAMES MUIR,
Steam Stone Works,
Bay Street Avenue,
Springfield, Mass.
Springfield, Mass., Mar. 28, 1906.
Stone Working Machine Co.,
41 and 43 Wall Street,
New York City.

Gentlemen:—Replying to yours of recent date, I am pleased to write the Thomson Patent Parallel Motion Stone saws you installed for me in August 1904, has proven itself satisfactory in every way. Sawing more than double we ever sawed in every kind of stone, and I do not see that it requires any more power.

You ask particularly for report as to granite, I am doing a granite job now. Have visited a number of plants where granite is being sawed and I must say I am sawing more and doing better work than any mill that is sawing granite that I know of.

You are at liberty to bring or send anyone to see this saw when I believe all the above statements will be proven to their entire satisfaction. Yours truly,

JAMES MUIR.

BUCK & GALLAGHER,
Cut Stone Contractor,
N. W. Cor. 9th and Wolf Streets,
Philadelphia, Pa. Feb. 24, 1906
Mr. W. F. Ranney, Pres't.
Stone Working Machine Co.,
Nos. 41 and 43 Wall Street,
New York City.

Dear Sir:—Replying to yours asking if we can recommend the Thomson Attachment for stone gang saws, will say; ours is giving entire satisfaction: running smoothly and doing excellent sawing—we believe doubly what old saw did. Can't see but what our engine runs it as well as it did before change. We are sawing in limestone with four or five blades for 1ft. 8in. to 2ft. 8 in. per hour, (using shot or crushed steel of course.) Will show saw to any one who wishes to examine it. Yours truly,

BUCK & GALLAGHER.

Tell 'em you saw it in ROCK PRODUCTS.

THE TEMPLE-INGERSOLL

"ELECTRIC-AIR" ROCK DRILL

It combines the best electrical and pneumatic practice. The motor is a standard type of large electrical builders. The pulsator embodies the Ingersoll-Rand experience in building nearly a million compressor horse-power. The drill contains the Ingersoll-Rand experience building over 85,000 rock-drills. The equipment is built by the methods which have made Ingersoll-Rand drills standard the world over. It is sold under the Company's guarantee of absolute interchangeability and backed by a record of thirty-seven years.

The "4-C" Electric-Air Drill is equivalent to a 2½ inch "Sergeant" Drill.

Drills a 1 to 1½-inch hole 8 feet deep, and using a 3 H. P. d. c. or a.c. motor. It is an "all-around" machine for every purpose where a drill can be used.

The "5-C" Electric-Air Drill is equivalent to a 3½-inch "Sergeant" Drill.

Drills a 1½ to 2½-inch hole 16 feet deep, and is intended for the heavier work.

CHANNELERS HAMMER DRILLS AIR COMPRESSORS
INGERSOLL-RAND CO.

Chicago
Cleveland
Birmingham

Pittsburgh
Philadelphia
San Francisco

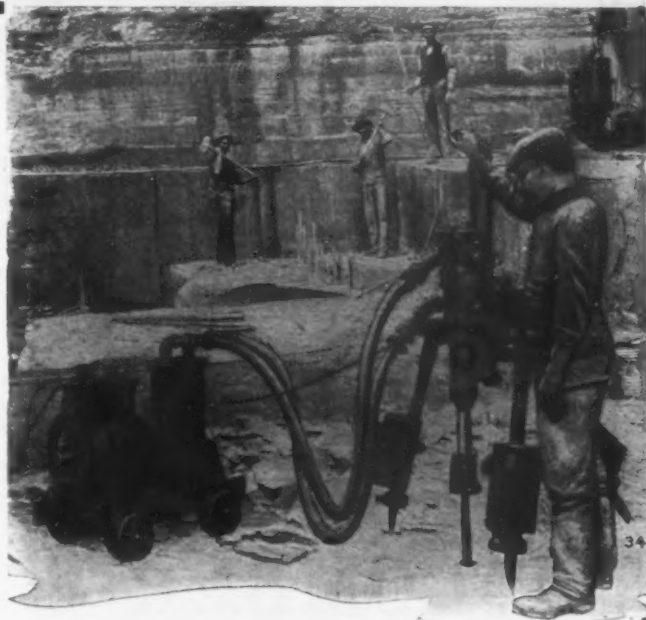
11 BROADWAY
NEW YORK
Seattle Denver

St. Louis
Houghton
Salt Lake

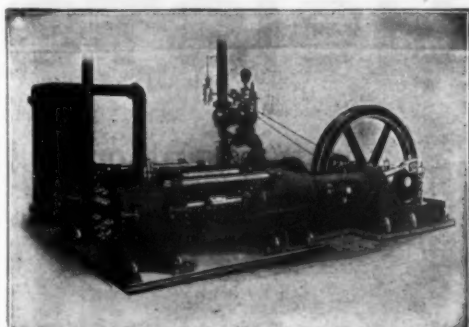
El Paso
Boston
Los Angeles

Send for Catalog No. 20 which
describes this drill in detail.

29P



WHEN IN CHICAGO DROP IN—355 DEARBORN ST.



FRANKLIN AIR COMPRESSORS

Combine Correct Mechanical Practice with the
Latest Developed Knowledge of Air Compression.

Made in More than 100
Styles and Sizes.



The Chicago Hose Coupler is the only universal
coupler yet devised. Any size will couple with
any other size, whether it be larger or smaller.

WHAT ONE USER SAYS.

The Bull Hill Mining and Development Co., Cripple Creek, Colo., write as follows:

"On the installation of the Franklin Compressor, we find the actual expense of operation amounts to 92 cents per drill, per 8 hour shift. The record heretofore has been \$1.56 per drill, per 8 hour shift. The machine was guaranteed to operate 10 drills, and as high as 16 have been run with it."

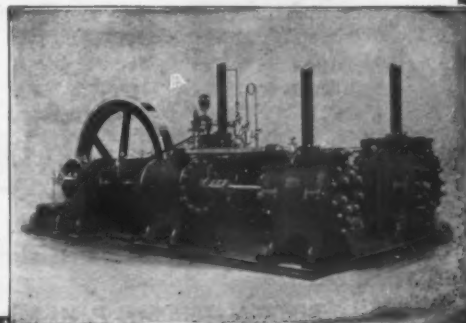
CATALOGUE ON REQUEST.

MANUFACTURED BY

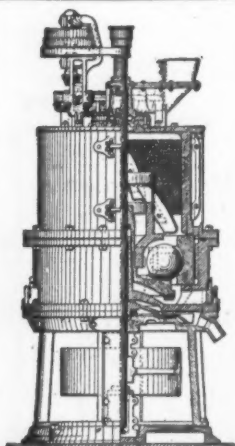
CHICAGO PNEUMATIC TOOL CO.
CHICAGO - NEW YORK

We manufacture "CHICAGO GIANT" ROCK DRILLS and a complete line of
pneumatic tools and appliances and DUNTLEY ELECTRIC TOOLS.

Every Installation Covered By
Our Liberal Guarantee



Tell 'em you saw it in ROCK PRODUCTS.



Fuller-Lehigh Pulverizer Mill

The Best Pulverizing Mill Manufactured

Exhaustive tests in all departments, in competition with the most approved grinding machines in use, have demonstrated the superiority of our machine

OUR CLAIMS:

Greater Output

Better Fineness

Fewer Repairs

Dustless

Few extracts from letters received from users:

"With the four we are now ordering we will have in use 16 Fuller Mills in all, and I think you can hope to get orders from us within the very near future for quite as many more."

"We have to say for your Fuller Mill that it is unqualifiedly the best grinding device we have ever tried on our lime rock and eminently satisfactory to us."

"We are pulverizing with one Ball Mill and four Fuller Mills sufficient raw material to produce nearly 1200 barrels of clinkers per day, which record I believe can not be approached by any other mill on the market."

If interested, write us for further information

LEHIGH CAR, WHEEL & AXLE WORKS, CATASAUQUA, PA. U. S. A.

MACOMBER & WHYTE ROPE CO.

Announce the removal of its
Offices and Warehouses, to

266 and 268 SO. CLINTON ST., CHICAGO.

CRANES ELECTRIC AND HAND POWER HOISTS

All Types and Sizes of
Electric and Hand Power
Cranes and Hoists.



For stone yards or stone
mills, out door or inside
service.

AC OR DC MOTORS

THE CASE MFG. CO., Columbus, Ohio.

NEW YORK:
McCALVE, RIMMER & CO.
85 Liberty St.

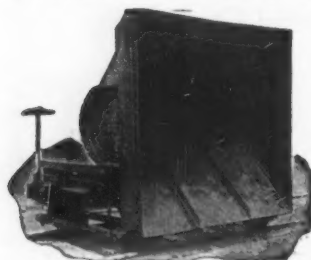
PITTSBURG:
A. W. WYCKOFF CO.
Farmers Bank Bldg.

CLEVELAND:
C. E. STAMP & CO.
New England Bldg.

CHICAGO:
F. S. HICKOK,
Marquette Bldg.

SAN FRANCISCO:
LILLEY & THURSTON,
702 Atlas Building.

Industrial Cars and Track



No. 169 Body Dump Car.

For Quarries, Mines,
Cement Plants, Etc.

Switches, Turntables, Light
Steel Rails.

SEND FOR CATALOGUE NO. 8.

WONIAM-MAGOR ENGINEERING WORKS,
NEW YORK Office: Dept. P, 29 Broadway. Works: Passaic, N. J.
BOSTON Office: Dept. P, 141 Milk Street.



Henricks Magneto

Fills Your Gas or Gasoline Engines without the Aid of Batteries

It is better and more durable than any Dynamo. Its governor regulates the speed regardless of speed of fly wheel. Its governor adjusts to imperfect fly wheels. Its governor insures a constant and uniform spark. The spark does not burn the contacts of the engine. All strains are removed from the bearings of Magneto.

Fully Guaranteed. **Henricks Novelty Company,**
Agents Wanted. 130 S. Capital Ave., Indianapolis, Ind.

Stacks! Tanks! Kilns!

AURORA BOILER WORKS

AURORA, ILLS.

Steel Plate Work.

Tell 'em you saw it in ROCK PRODUCTS.

NILES CRANES



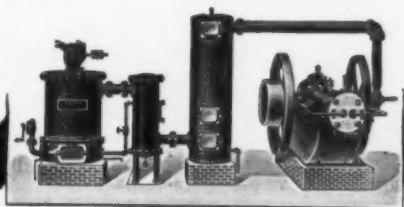
One of the two 20-ton Niles Cranes, 75 ft. span, installed in yards of Milford Stone Co., Milford, Mass.

—Built by—

NILES-BEMENT-POND CO.

111 Broadway, NEW YORK,

Philadelphia, Boston, Chicago, Pittsburg, St. Louis, London.



CHEAP POWER!
Backus Gas Producer
and Gas Engine

\$1.00 for 50 H. P. 10 Hours, for Pea Coal Consumed

MANUFACTURED BY

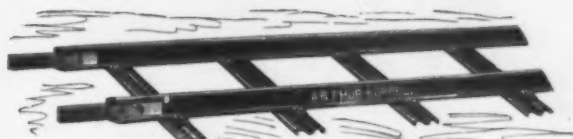
The Backus Water Motor Company,
NEWARK, NEW JERSEY.

Branch Offices:
Philadelphia, Pa. Chicago, Ill.
Boston, Mass.



KOPPEL

Portable Track



For Mines and Quarries

IN STOCK

Rails, Steel Ties, Portable Track
Switches, Turntables, Frogs

Cars Built to Order

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Arthur Koppel Company

1622 Machesney Bldg.,
151 Morris Bldg.,
1641 L. Monadnock Bldg.,
1516 Chronicle Bldg.,

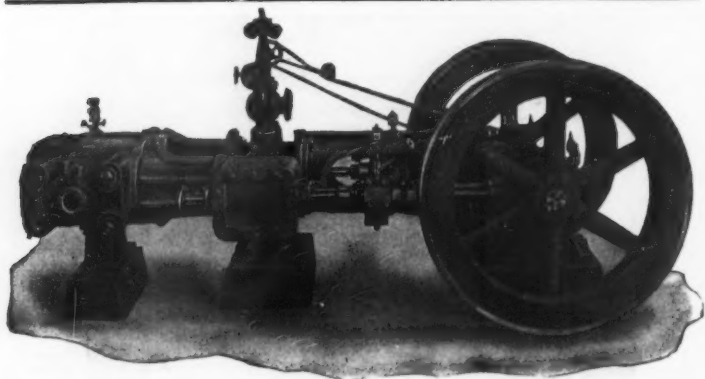
Pittsburg
New York
Chicago
San Francisco

Works at

KOPPEL
P. O. Address, HOMEWOOD
Beaver County, PA.
Trade-Mark.

Tell 'em you saw it in ROCK PRODUCTS.

A GOOD MECHANIC KNOWS WHY



OUR FORK-FRAME STRAIGHT-LINE Air Compressors

Last longer and run smoother than others. Also why the removal of the bearings from the neighborhood of the steam cylinders improves their running qualities

Air Compressors—Steam driven, Belt driven and direct connection. Electric Motors for every conceivable service.

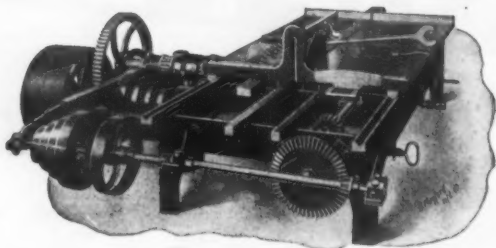
Full particulars are given in pamphlet. Send for it.

Clayton Air Compressor Works

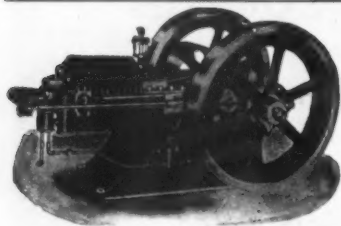
114-118 Liberty St., NEW YORK

RUGGLES MACHINE CO., Poultney, Vt.

ESTABLISHED 1828.



Pioneer builders of SOFT STONE WORKING MACHINERY
Such as Slate, Soap and Sand Stone.



Air Cooling Gasoline Engines.

No oil or water required for cooling. We have no frozen up water jackets or bursted cylinders like the old style water cooled engine.

WRITE FOR PRICES.

Gade Bros. Manufacturing Co.
IOWA FALLS, IOWA

Saw Blades

Carefully Straightened and Cut Square and True. Ordinary Sizes Constantly on Hand.

WEST LEECHBURG STEEL CO.

PITTSBURG, PENNSYLVANIA.

Tell 'em you saw it in ROCK PRODUCTS.

"THE QUARRYMAN KNOWS THE 'US' TRADE MARK IS A GUARANTEE OF QUALITY"

DYNAMITE
US
BLACK POWDER

INDEPENDENT POWDER
COMPANY OF MISSOURI

HOME OFFICE · JOPLIN · MO.
FACTORY · JOPLIN · MO.
GENERAL SALES OFFICE ·
901 TIMES BLDG · ST. LOUIS · MO.

McCully Gyratory Crushers **You See Them Everywhere**

LARGEST CAPACITY RUNNING COOL TOP SUSPENSION OF SHAFT

NO SHUTDOWNS FOR REPAIRS REQUIRE LEAST POWER

STEEL GEARS BOTTOM DROP PERFECT OILING DEVICES

(Write for Catalog No. 4.)

Power and Mining Machinery Co. **Cudahy, Wis.**
(SUBURB OF MILWAUKEE)

30 DAYS' TRIAL

To responsible parties who will state for what purpose and under what conditions they wish to use a pump, we will send one of our

PULSOMETER STEAM PUMPS

on approval: its final acceptance being conditional upon its proving satisfactory for the work described. This pump is particularly well adapted for draining Quarry Pits and for all rough service, low-lift pumping where the water encountered contains a large percentage of grit, mud or sediment. Has no easily deranged mechanism. Operates as well suspended as stationary.

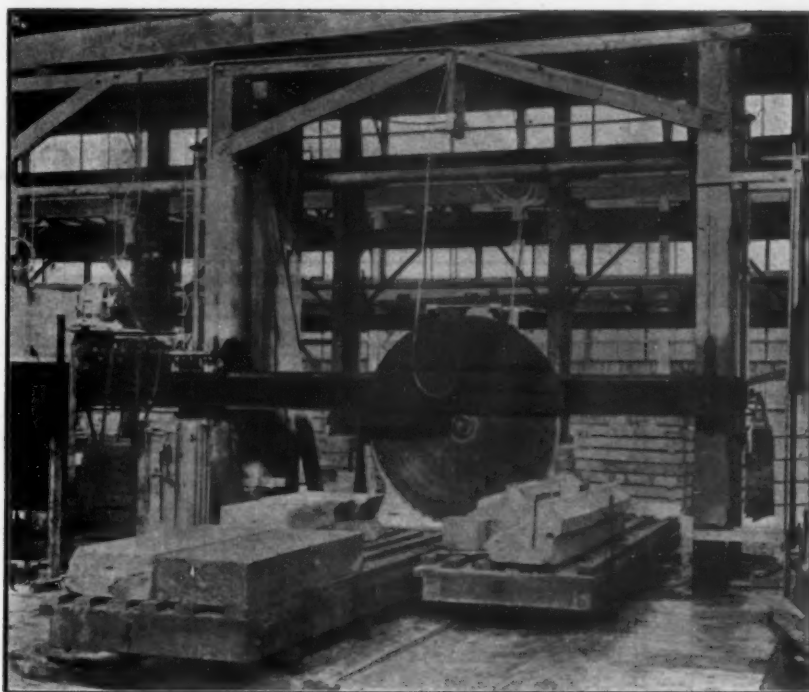
CATALOGUE FREE

THE PULSOMETER STEAM PUMP CO.,

12 Battery Place, NEW YORK



WILLARD F. MEYERS,



MANUFACTURER OF

SINGLE AND DOUBLE BLADED
DIAMOND CIRCULAR, ANGULAR
AND RECIPROCATING SAWS OF
EVERY DESCRIPTION

FOR

CUTTING BUILDING STONE,
MARBLE, SLATE, CONDUITS,
TILE, CUTTING SEWERS, ETC.

AUTOMATIC MARBLE POLISH-
ING MACHINES. MACHINES
AND ATTACHMENTS DESIGNED
AND BUILT TO OWNERS ORDERS

IMPORTER OF CARBON, BORTZ, ETC.,
SELECTED DIAMONDS KEPT IN STOCK

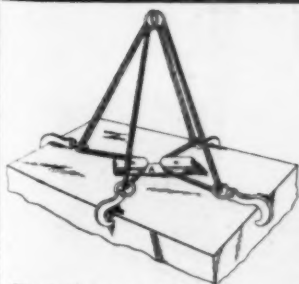
MANUFACTURER OF

SPECIAL AND REGULAR DIAMOND
SAW TEETH AND DIAMOND TOOLS
OF EVERY DESCRIPTION.

**SATISFACTION
GUARANTEED**

342 Vernon Avenue,

Long Island City, New York



LAU'S

Centrifugal Block for Adjustable
Hooks. A Boon to Stone Con-
tractors and Quarrymen.

Especially adapted for lifting large blocks
and flagging iron plates.

Throws equal strain on four sides of stone
instead of two. No breaking of flag in center.

Use the same hooks and chains that you
now use. Purchase Block only. Can be
changed from single to double hooks in a
moment.

Agents Wanted. Large Commission.

WRITE FOR PRICES AND TERMS.

Try one and if it will not do all I claim, return it, and I will pay all expenses.
30 days' FREE TRIAL to responsible quarrymen and contractors.

C. B. LAU, Patentee Reference Braddock Trust Co. Braddock, Pa.

Patented Oct. 24, 1905.

Frenier's Sand Pump

For Feeding Sand, Steel or Shot for

Sawing Stone



Saws faster, uses less sand and water and re-
quires less power and repairs than any other. Runs
only 20 revolutions per minute. Pays for itself in
six months. Used by the Best and Largest mills.
Send for full description and prices.

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RUTLAND, VERMONT

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R. J. TEASDALE

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BLASTING SUPPLIES.

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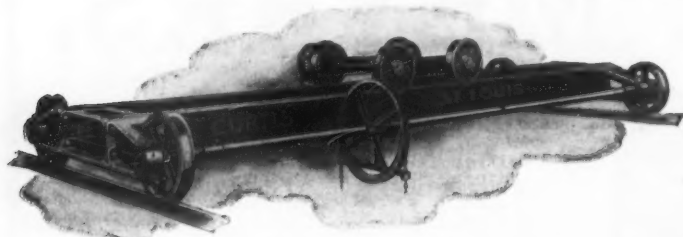
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Carborundum Grain and Bricks, Scotch Steel, Putty Powder, Plaster, Etc.

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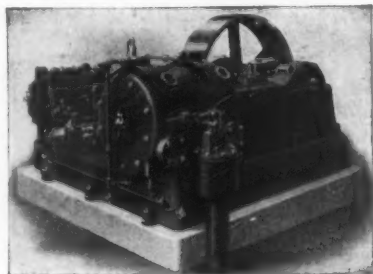
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with Unloading Device*

For cutting sheds, mills, and other quarry service, this Sullivan belt driven duplex compressor is particularly desirable.

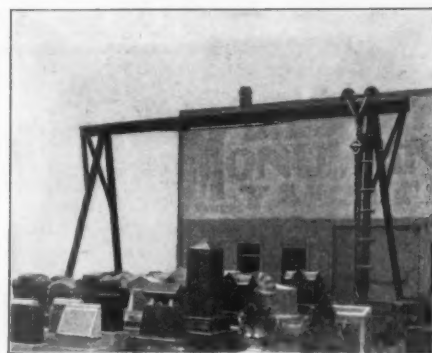
The working parts run in oil, and are housed to keep out dust and grit. The air cylinders are compounded. Catalogue 58.

Rock Drills Channelers

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Y or T Electric Hoists are the most available for this work where power hoists are desired.

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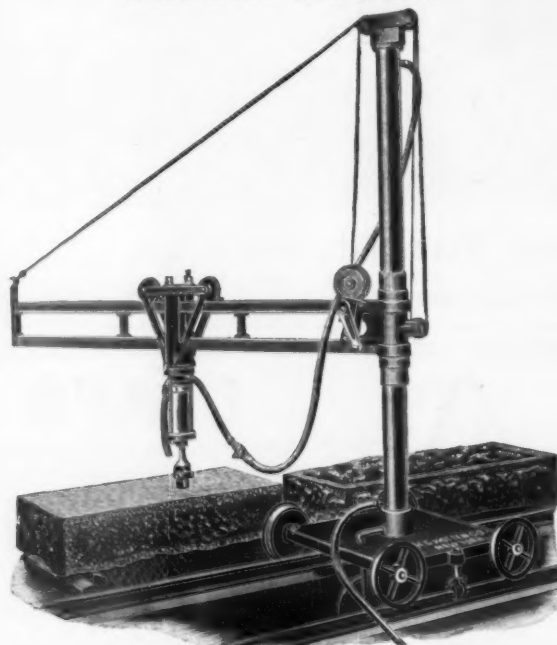
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ROCK PRODUCTS

ESTABLISHED IN LOUISVILLE, KY., 1902.

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The monument dealer has the only reputable business where the law of the land prevents him from collecting his account with the alternative of taking back the goods in default of payment. In many of the states there is no provision for the protection of the monument dealer beyond the sentimental influence which prompts the purchaser of a monument to pay such a bill, even though the same party might avoid the payment of another account. A little concerted action on the part of the reputable dealers of any state would certainly secure for them statutory protection in the matter of their accounts by giving them the right to recover the monument where payment is refused.

The Illinois legislature passed a measure recently directed to improvement in this direction, but progress has been temporarily delayed by the governor's veto. A movement of the same kind is on foot in the state of Wisconsin, and this goes to show that it may well be considered in many other states, where the retail monument dealer has been an habitual sufferer from the lack of such legislation.

The motto of American building investors is no longer "How cheap," but "How good can I build." The best goods, even when they are the highest in price, appeal most strongly to the American ideal.

The passenger earnings of the railroads in the states where a two-cent rate was inaugurated by legal compulsion do not bear out the calamity howl of the railroad officials in their attempt to prevent such legislation.

The orders for structural steel and steel rails for 1907 delivery will take care of the largest possible output of the mills now in commission. If this indicates anything it means that the volume of construction has not fallen off.

ROCK PRODUCTS is making a tremendous effort along the line of up-to-date publicity to secure the needed specifications to upbuild the stone industry in this country. We need the support and coöperation

of every stone operator. With malice toward none, and with assistance for all, we urge all to join our army of progress.

At last the building season is well started in all the greater cities of the country. It has been an exceptionally difficult season in which to make a start, owing to the unfavorable weather conditions. From this time forward there will be a rush and hurry to make up for lost time, for every contractor intends to accomplish the full quota of work that he has undertaken.

A superintendent can lose more business for the company than the sales department can accumulate, by making promises that he will get stone out on a certain day, when he knows he can not do it; or furnish a certain class of stone at a certain time, when, on looking at his opening, he might know that it will be two or three weeks farther on before he can get it out.

The monument manufacturer and the retail monument man in every part of this prosperous land are reaping the harvest of profit which always occurs immediately after Decoration Day. The number of memorials completed for the occasion just past is greater than ever recorded, and at the same time the average price indicates that the public is steadily being educated to appropriate more money for better monuments.

If the useless movement of empty cars could be eliminated, actual freight traffic could be increased accordingly. A man who has a shed full of finished monuments waiting for cars sees train after train of empties go by to the very junction point that would give his goods an outlet to distribution and delivery. Had the railroad business as we have it today been developed in the days of King Solomon he would have added another mystery to the three which are so often quoted, namely, "The way of a railroad with the public."

Architects are invited to communicate with the information department of ROCK PRODUCTS when in need of details regarding their stone specifications. Our traveling and resident representatives, as well as the home office at Chicago, are in personal touch with every stone quarrying and stone working proposition in the United States. Some of the leading architectural artists have already found practical working dividends and very satisfying accommodations without cost to themselves by using the information bureau of ROCK PRODUCTS. Every architect who has a stone specification is invited to help himself.

The promoters of structural terra cotta are an extremely enterprising bunch of business men. They never overlook an opportunity to push their material out into the limelight, no matter what the expense may be. They employ every possible avenue of modern publicity, and this is one reason why they are able to secure such a volume of business as stands to their credit at the present time. If the stone interests of this country could be prevailed upon to lay aside their petty jealousies, developed in the competition between themselves, and to work in harmony to secure a stone specification in the first place, and then afterward decide what particular kind of stone shall be used, there would be no terra cotta disturbance in the camp of the stone operators.

Editorial Chat

An Agreeable Interruption.

The other day the New York representative of ROCK PRODUCTS sat at his desk in the proverbial editorial manner, back bent double, nose buried in a conglomerated mass of trade notes and interviews, ink dripping profusely from his fingers and the regulation pipe in mouth. A conspicuous sign announced, "This is my busy day," while the sound of pen scratching could be heard above the noise of elevated railroads.

Suddenly there was a noise at the door, which sounded suspiciously like a salesman, but our frown at the interruption was quickly changed to a copious smile when we recognized the beaming countenance of our old friend W. A. Treat, who, since March 12, has been the manager of the hose department of the Sprague Electric Company, 527 West Thirty-fourth street. We took down the "busy day" sign, pitched our pen at the desk potato, licked the ink off of our fingers and quickly betook ourselves to a nearby tavern. Treat wanted to treat, but it was our treat and we wouldn't let Treat treat. It is not necessary to state what kind of refreshments were in demand, suffice it to say that they were of such consistency as to be easily poured through Sprague armored hose.

We used to know Mr. Treat in Chicago, where he was connected with the company which he now represents here, and can cheerfully recommend him to the kind consideration of those with whom he will come in contact in New York.

In speaking of business conditions Mr. Treat said that there had been a decided falling off in orders for the past week or so, owing to the continued bad weather retarding all kinds of quarrying operations.

All the Way from Tokio.

Among the nations of the earth none exhibits a more lively spirit of latter day progressiveness than our bustling little friend Japan. America and Americans may well take pride in the fact that the "Sunrise Kingdom" looks upon us as the exponent of modern civilization and industrial progress—and did you know that ROCK PRODUCTS was read in the little country across the sea?

For instance, doubtless every reader of ROCK PRODUCTS in this country knows about the Sprague Electric Company's flexible steel armored hose, but suppose we should say that the company received an order for hose from Japan which was the direct result of their advertisement in ROCK PRODUCTS? This is exactly what happened, the order came from Tokio, where there is a vast number of modern plants being erected. When W. A. Treat, manager of the hose department of the Sprague Electric Company in New York, received the order he wired as follows:

Friday, May 24, 1907.

ROCK PRODUCTS,
355 Dearborn Street,
Chicago, Ill.

Received an order from Tokio. Where
is it that you don't go?

However, Tokio isn't the only place on the map of creation and there are thousands of other good markets penetrated by ROCK PRODUCTS. The question is, "Are you making the regular monthly trips between the covers of ROCK PRODUCTS into the homes and offices of the thousands of buyers and setting your arguments before them in black and white?" Mr. Buyer "wants what he wants when he wants it," and the wise dealer and manufacturer knows that ROCK PRODUCTS is Mr. Buyer's ever ready reference book.

What is probably the largest block of granite ever quarried in New Hampshire, if not in New England, has just been taken out at Fitzwilliam by the Webb Granite Company of Worcester, Mass. The block was 150 feet long, 20 feet wide and from 3 to 4 feet thick and of the finest quality. Foreman E. L. Woodbury said: "The block contains 12,000 cubic feet and was estimated to weigh 1,000 tons. It was quarried without the use of explosives, only wedges being used. It took six men two weeks to quarry this monster, and it will soon be all cut into dimension stuff and 40 cars will be required to transport it." The Webb Company purchased this quarry only a few years ago and the section where this block was taken out has been operated but two years. The company has started to cut a new trench 375 feet long and 8 feet deep.

H. C. Moody of Cedar Rapids, Ia., who sells stone supplies to the retail monument trade in Iowa and Wisconsin and some other places as well, says in a recent letter: "I have not been out much for some time, as the monument dealers are very busy and have trouble enough of their own without being annoyed with any 'high grade' tramp. My trade has been extra good and I find my customers have more work than help. I received ROCK PRODUCTS for May and am glad to see it come out in a new spring dress. I have always felt that any journal that stood as high as ROCK PRODUCTS and as far from 'yellow journalism' should never be sent out in a yellow cover."

W. S. Alexander of Barre, Vt., secretary of the National Granite Manufacturers' Association, and James Duncan of Quincy, Mass., secretary of the International Granite Cutters' Union, settled by compromise the differences between the granite manufacturers of Milford, Mass., and the granite cutters, who have been on a strike since April 1. The agreement reached has been unanimously ratified by both of the organizations interested.

Daniel H. Burnham, the celebrated architect of Chicago, has gone for a sojourn of several months in Europe. He is a frequent visitor to the other side, where he studies the best things produced by the old masters for application to the ideas for beautifying American cities that he has developed to such a high degree of perfection.

C. J. Field, secretary of the Iowa Retail Monument Dealers' Association, was in Chicago the other day. Of course he was "Here because he was here." He went to all the places that a deep-dyed-in-the-wool marble man is supposed to visit and was doing very well till he met W. O. Willison by calling at the latter's office in the Chamber of Commerce. Willie told Field that ROCK PRODUCTS had moved to Chicago and they started to pay our office a visit. Its only six blocks, and as they have not yet arrived there is some uneasiness as to their safety, for they are now about two weeks overdue. Perhaps they met Frank Gosselin on the way and that would be sufficient excuse, for he has been known to detain a man for weeks and weeks at a time.



THE CITY INVESTING BUILDING, NEW YORK, FROM DRAWING BY FRANCIS H. KIMBALL, ARCHITECT.

Architertural.

Annoyances of Architects.

To one who does not know the many petty annoyances that come to an architect every day of his business life there may be good reason to believe that his lot is a serene and happy one, devoid of any of the ripples that come upon the sea in other men's careers. It is only necessary for one to visit an architect's office and remain with him during a single day to have this idea thoroughly eradicated, for if there is one profession above another where annoyances creep in by the handful, it is in the profession of architecture. In the first place the architect must satisfy his client and make every trivial change in his plans that the whim of that client may suggest. It is not uncommon to remake a set of drawings two or three times after the original set is supposed to have been completed. Of course, the architect must not make a claim for this extra work, for has he not taken the job of erecting a building to the satisfaction of the owner? Frequently after the plans are completed and the work started a change is desired here and there, because the actual thing does not look as the owner expected. The contractor is not to be allowed his "extra" for these changes, for has he not also agreed to make everything satisfactory to the owner? But these are only small examples of the hundred and one troubles that come to an architect every day and serve to keep him from fretting about his personal troubles if perchance he has any.—*Ohio Architect and Builder.*

The City Investing Building.

The picture printed upon this page is a good illustration of the new City Investing building in New York, as it will appear when completed. Work on the structure is progressing at a rapid rate and when finished this will be one of the largest and most majestic office buildings in the world. The Hedden Construction Company of No. 1 Madison avenue are the general contractors for the erection of this skyscraper and Francis H. Kimball of 71 Broadway is the architect.

The building will be thirty-four stories in height and will cover over half a block facing on Cortlandt and Church streets, with an arched entrance to an arcade from Broadway. Its exterior will be of light blue limestone which will come from the quarries of the Bedford Quarries Company and will be cut by Wm. Bradley & Sons. Limestone will extend up to the sixth floor and the amount required is estimated at over 75,000 cubic feet. From the sixth floor to the top the exterior of the structure will be composed of white brick with ornamental terra cotta trimmings. It appears that contracts have not yet been let for the interior finish.

To Rebuild Brooklyn Academy.

NEW YORK, May 31.—On May 25 the cornerstone of the new Brooklyn Academy, which is to take the place of the historic old building destroyed by fire in 1903, was laid by Borough President Bird S. Coler, after which the immense crowd attending the exercises joined in singing the "Star-Spangled Banner."

The academy will stand at the corner of Lafayette avenue and St. Felix street, and is very much on the order of the famous Cooper Union of New York, except that the academy will be built by popular subscription, 1,200 Brooklyn citizens having contributed the \$1,000,000 so far raised. The building will serve as a public forum and will contain a large theater, concert hall, ball room, lecture rooms, etc. Ex-Mayor Charles A. Schieren is president of the board of directors of the new academy.

Woods & Gordon, architects, have plans for the section of a church at Lincoln, Neb., to cost \$80,000.

To Make Theaters Safer.

NEW YORK, June 1.—Among the subjects discussed at the recent National Fire Protection Association, the underwriter's organization, held in this city, the matter of providing maximum safety for theaters in case of fire was given much attention. John R. Freeman, president of the American Society of Mechanical Engineers, who has made a study of the fireproofing of theaters, was on a committee appointed last year and in his report to the convention said:

The three great safeguards are found to be: First, the providing of ample, automatic, quick-opening smoke vents over the stage; second, the thorough equipment of the stage with automatic sprinklers by means of which the action of the heat will promptly release over the burning scenery a rainfall tenfold heavier than the heaviest thunder shower, drenching the scenery and extinguishing the flames, and, third, the providing of especially ample exits and stairways from the gallery.

The report of the committee also says that the modern asbestos curtains are not so near fire-proof as is generally supposed, and recommends the use of



LAKE COUNTY COURT HOUSE, PAINESVILLE, O.

the steel curtain covered with a non-conductor on the stage side in preference to asbestos. In reference to the construction of proscenium walls and curtains the committee says:

The stage shall be separated from the auditorium by a self-supporting brick wall of the same thickness as required for outside walls, the entire width of the building, and shall extend full thickness of the wall at least four feet above the stage roof, or the auditorium roof if the latter be higher, and shall be coped. The portion of wall above the proscenium openings shall be supported on an iron girder, and properly fireproofed as required for metal members of construction. There shall also be constructed a relieving arch over the same, the intervening space being filled in with hard burned brick of the full thickness of the proscenium wall. That portion of wall underneath the stage shall be constructed the full thickness required, and shall extend to the under side of the stage flooring.

There shall be no openings in this wall except the curtain opening, and not more than two others, to be located either below stage level or one on either side of stage on first floor, but no openings of any kind above the first floor. These openings shall not exceed twenty-one superficial feet each, with standard tin-clad self-closing wood doors securely hung in rabbets in brick work.

These doors shall be made self-closing by means of a weight and phosphor bronze chain and pulley arrangement, the pulley being so arranged and guarded that the chain can not jump off.

A self-closing door, sliding sideways, may be used with the consent of the Fire Underwriters' Association having jurisdiction. These doors shall slide on an inclined track of sufficient incline to make the door self-closing, and so arranged that the door can not jump the track. No door shall slide vertically or be operated by a fusible link, and all doors shall be kept free from locks or fastenings of any kind.

Fine San Francisco Hotel.

The new Fairmont hotel is a model of up-to-date-ness. It has ten floors and is built on a steep slope with the lower wings extending almost down to Powell street, whence terraces lead up to the main portion of the building. The main entrance, with its stone columns, faces Mason street at the top of the hill. The main foyer is entered from the Mason street side and is a decorative masterpiece of the period of Louis XIV., with dark red marble columns and panels enriched with antique gold tracery. The "Trellage Garden" opens from the main foyer directly opposite the vestibule. This apartment contains hundreds of dwarf laurel trees giving an effect of out of doors. The sunlight is softened as it passes through three large domes of art glass overhead, and at night concealed electric lights give just enough illumination. About 400 persons can be seated in this apartment. The ball room extends along the Sacramento street side of the hotel and is finished on three sides in large French plate mirrors interspersed with mural paintings and decorative panels by celebrated artists. There are eighteen massive chandeliers. The room has a spring floor. The banquet hall is on the Powell street side of the building. It is decorated in the style of Louis XV., café au lait, with draperies of rose damask. The dining room, seating 750 people, is also on the Powell street side, and is elaborately decorated in the style of Louis XV, in white and gold. Chandeliers depend from every ceiling beam. There is a breakfast room adjoining, separated from the dining room by mirrored doors. The ceiling is 24 feet high. The ornamentation is in gray and white.

The massive foundations of the building, which occupies the most commanding site overlooking San Francisco Bay, are of concrete and the basement walls are of reinforced concrete. The largest auditorium in the city will be the boast of the hotel.

Sandstone Courthouse in Ohio.

CLEVELAND, O., May 25.—Architect J. Milton Dyer of this city has prepared elaborate plans for a new courthouse and jail for Lake county, Ohio, to be constructed largely of Ohio sandstone. The contract calls for the expenditure of \$280,000 and has been awarded to George W. Carmichael of Akron who has begun work on the job. The building will be ready in a year.

The new courthouse will be built in the Georgian style of architecture and is to be 96 by 136 feet in size. The interior of the courthouse is to be fitted with marble wainscoting and two big statues will be placed in front. A high stone tower will be an attractive feature of the structure. A clock in the tower will have four faces, each ten feet in diameter. The commissioners in charge of the erection of the building are W. T. Cowles, C. H. Stocking, E. Manchester, F. G. L. Warner, and A. K. Carrol.

Will Erect Seven-Story Stadium.

NEW YORK, May 31.—Daniel S. McElroy is the originator of a wholly new type of structure in this city. He has lately completed the plans prepared by himself for the erection of what he will name the "Stadium," a mammoth eight-story building which will prove a source of enjoyment for people of athletic disposition, both men and women. This new building will be erected at 71-79 West Forty-fifth street, between Fifth and Sixth avenues. It will be a massive structure, having a typical Greek front and two stories below the street level. The building will contain large swimming pools, Turkish bath establishments, billiard rooms, bowling alleys, gymnasiums, etc., in separate apartments for men and women. A large general dining room and auditorium is included in the plans. Mr. McElroy estimates the total cost at \$1,500,000. The new structure will abut upon the Hotel Gallatin on Forty-sixth street, of which Mr. McElroy is the owner. The "Stadium" will be managed by Theodore V. Barton, the present proprietor of the Gallatin.

Plans Awarded for Chicago City Hall.

The building committee of the City Council of Chicago has awarded to Holabird & Roche, Monadnock block, the contract for preparing the plans of the new city hall. It is to be constructed on the site of the present building and adjoining that of the county building. This same firm drew the plans for the county building and the city hall will be similar in every way. Preparations to move the city offices are being made so that the building may be demolished. The new structure is to cost when complete \$4,000,000.

MINNESOTA'S MARBLE CAPITOL.

Continued from page 3

citizens could have been erected within that cost. But under the changed conditions succeeding the year 1893, prices on all materials and on labor as well showed a marked advance, and it was necessary for the commission to go to the legislature for additional funds. The legislature took the view that a creditable building was wanted, and was not reluctant to grant the necessary sum.

The first contract on the building was let May 5, 1896, for the excavation and foundation work. George J. Grant, a leading contractor of St. Paul, was successful in this and started work without delay. The contract for the superstructure was awarded to the Butler-Ryan Company of St. Paul, September 15, 1897. This covered the exterior work with the exception of the dome, which was awarded in a subsequent contract to the same contractors.

When the selection of material came before the commission there was the usual cry for home materials. Minnesota has a great variety of building stone, including the St. Cloud and Ortonville granites, Kasota stone, and others, and the friends of these different stones were insistent upon having

which should accompany the adjudication of public affairs. The decision was not entirely acquiesced in by citizens at the time, but with the completion of the structure the general sentiment is that the commission decided well and that the state is the gainer from the decision to use white Georgia marble.

Home materials were not ignored in the construction of the building. The foundation and basement walls are of gray granite from St. Cloud, Minn., and were furnished by Walter Arnold, who had the contract to quarry this supply of stone.

The Georgia marble superstructure came from the well-known Marble Hill quarries. Butler Bros., who succeeded the Butler-Ryan Company as general contractors for the building before the completion of their contract, leased the quarry and produced the marble themselves, bringing it to St. Paul in the shape of mill blocks and doing all the sawing, cutting and dressing on the site of the building. There were over 800 carloads used in the work.

The work of carving the architectural details and statuary was also done on the site, after the marble had been set. Pardee & Hutchinson of 2206 South Park avenue, Chicago, were the contractors for nearly all the ornamental carving on the exterior of the building. Mr. Hutchinson is still in St. Paul, where he has made his residence for the past five or six years. He has done some minor detail work this year on the building.

The splendid allegorical statues over the main entrance were designed by Daniel Chester French, the celebrated New York sculptor.

Minnesota stone was also given due use and consideration in the interior of the building. Kettle River sandstone, from the quarries of the Kettle River Quarries Company; Winona stone, from the Steinbauer quarries of Winona, Minn.; Mankato and Kasota stone, from the quarries of C. W. Babcock & Co., Kasota, and the Breen Stone Company, Kasota, were also used. The Breen Stone Company furnished a large amount of polished marble for the interior work of the building, the polish to which the Kasota product is susceptible being a surprise to those who have never seen it in the polished form. It will be observed that though the request for the use of home stone throughout was overruled by the commission, the value of Minnesota stone was not ignored.

The cornerstone was laid for the building July 27, 1898, by Alexander Ramsey, the first governor



HOW THE SOUTHWEST CORNER LOOKED APRIL 30, 1898.



SETTING MARBLE IN PLACE, SEPTEMBER, 1898.

home materials used, urging the advertisement of the state's facilities, as well as the value of the materials offered. But the arguments, while good, did not include the essential feature in a public structure—that of harmonic effect. If a public structure is to contribute to the public all that it should it must include not only strength, utility and endurance, but also and quite as much the highest effect of artistic delineation and arrangement, esthetic outline, and a general pleasing appearance, which can only be obtained by having everything in absolute harmony. To this end the commission worked, every detail receiving careful consideration. Various stones from many sources were given full and due attention and none was rejected or ignored because of its cost or of its cheapness, and none was considered solely upon these grounds. Finally the decision was made to use an exterior of white Georgia marble, a stone which, while not pure white, has but a very faint coloring, and has a restful appearance, free from the glare of absolute white, and yet suggestive of the emblematic purity

The building has an extreme length of 435 feet and a width of 230 feet, with wings of 135 feet each. The building itself is 75 feet in height, while the dome which surmounts the center is 224 feet to the top, and has an inside diameter of 60 feet.



COMPLETED EXTERIOR VIEW, SEPTEMBER, 1900.

of the territory of Minnesota, and Governor David M. Clough, who was ex-officio president of the capitol commission. The commission consisted of Channing Seabury of St. Paul, Eben E. Corlies of Fergus Falls, Charles H. Graves of Duluth, John De Laittre of Minneapolis, Henry W. Lamberton of Winona, George A. Dutoit of Chaska and Edgar Weaver of Mankato.

There was a parade of the civic and military bodies, and then a gathering of distinguished bodies at the capitol grounds. The venerable Archbishop Ireland offered the invocation, and Hon. Cushman K. Davis, United States senator, made the address of the day. Senator Davis, always an effective and interesting speaker, was unusually so on this occasion, and it proved to be the last notable address which he made in his home city. The first territorial governor, Alexander Ramsey, was presented with the silver trowel which was used in the services of laying the cornerstone.

The heating and lighting plant for the building is located in a separate building, which is built at a considerable distance from the building itself, thus assuring freedom from any liability of having the building smoked and tarnished by the smoke of its own plant. The heating station is about two blocks distant from the capitol, and the heating and electric power are transmitted to the building by means of a large tunnel. This tunnel is over six feet high, oval in form, and contains racks for carrying the pipes containing the wires for the different sections of the structure. This plan has been very successful, and it is proposed to be adopted for use in the new Wisconsin capitol, for which plans are being worked out for these details.

The building was completed sufficiently to allow the legislature convening in 1905 to meet. The governor moved his office to the building in the fall of 1904, Governor S. R. Van Sant being the first governor to be in the new structure. The building was not practically and wholly completed, however, until the spring of the present year, when it was relinquished to the charge of the governor.

The cost of the building was somewhat in excess of \$4,000,000. It is equipped with every conceivable device for comfort, convenience and safety. The illustrations which accompany this article give a fair idea of its general appearance, but no idea of the completeness of the work and close attention to detail can be given here. The capitol is a credit to the state and an honor to the commission which had the work in charge. It is one of the number of exceedingly creditable buildings which Cass Gilbert has designed. Mr. Gilbert maintains an office in New York, as well as one in St. Paul, and is regarded as one of the world's leading artists in architecture.

The Board of Award of the Trustees of Public Buildings have accepted plans for the erection of the new educational building at Albany, N. Y. The plans call for granite, marble or limestone. The cost is estimated to be \$3,000,000. Palmer & Hornbortel, 563 Williams street, New York, are the architects.

Fine Building for Women.

Work has recently begun on the erection of the new building for the New York School of Applied Design for Women, an organization founded in 1892. The new building will be located at the northwest corner of Lexington avenue and Thirtieth street. Pell & Corbett, 31 Union square, are the architects, who, by the way, also prepared the plans of Andrew Carnegie's Fine Art Building in Baltimore. The new building for the School of Applied Design will be classic in design, having Greek features, such as a frieze of Parthenon figures extending around three sides just below the second floor, acroteria of bronze in the shape of sphinxes on the roof, decorative designs of approved classic origin on other parts of



SHOWING MARBLE STAIRWAY AND EFFECTIVE INTERIOR, FIRST AND SECOND FLOORS.

the two facades, tripods of bronze to the right and left of the main entrance. The structure will contain a grand hall, and mezzanine floor downstairs, class rooms on second and third floors and excellently lighted studios on the top or fourth floor. The building will cost about \$100,000.

The state of Florida has appropriated \$400,000 to be used in the erection of new State University buildings at Gainesville, Fla. U. P. Bryan is chairman of the Board of Control. Edwards & Walter, architects at Columbus, S. C., have been asked to make plans for some of the buildings.

The county commissioners at Littleton, Colo., have appointed John L. Huddart of Denver to make drawings and specifications for the new courthouse to cost \$50,000.

AMONG THE ARCHITECTS.

E. O. Fallis, architect, The Nasby, Toledo, O., is preparing plans for a bank building to be erected in that city for the People's Bank Building & Loan Company, at a cost of \$125,000.

The plans of Edward L. Tilton, architect, 32 Broadway, New York, have been accepted for constructing a public library at Springfield, Mass. The structure will be of stone and will cost about \$360,000.

Studebaker Bros.' Manufacturing Company of South Bend, Ind., has ordered plans for the erection of a \$250,000 office building and repository. S. M. Beman of Chicago is the architect.

Plans are now being made by the architect, D. J. Patterson, for the new hospital to be built by the Southern Pacific Company at San Francisco, Cal., and which will cost about \$600,000.

The plans of Chas. A. Paige, Jr., of Houston, Tex., have been accepted for the erection of two schools at Sulphur Springs, Tex., to cost \$50,000.

A German realty company was incorporated recently with a capital stock of \$75,000 for the purpose of erecting a theater at St. Louis, Mo. O. J. Welhemi is preparing plans.

Architect W. A. Swasey has prepared drawings and specifications for the new \$500,000 theater to be erected at St. Louis, Mo., and to be called "Missouri." Wm. J. Davis, manager of the Illinois theater in Chicago, is materially interested in the welfare of the new theater.

Architects Shepley, Rutan, Coolidge of Boston, Mass., are preparing drawings and specifications for the Plymouth Congregational church to be erected at Minneapolis, Minn. Native blue limestone is to be used in the Gothic style of architecture. J. R. Kingman is a member of the building committee. The estimated cost is \$150,000.

Architects Chandler & Park, Racine, Wis., are making plans for remodeling the Third ward school building and the erection of a new school house at Janesville, Wis. About \$70,000 will be expended for this purpose.

Ferry & Clas, architects, are working on the plans for the erection of the \$500,000 auditorium at Milwaukee, Wis. Bids will be let about July 1.

E. S. Hull, architect, has prepared plans for the new City Hall at Alexandria, La. Cost, \$75,000.

Fiske & Dieman, architects, have the plans for the erection of an addition to the Thompson Hotel at Lincoln, Neb., to cost \$125,000.

The Great Western Smelting & Refining Company are having plans made for several new buildings in Chicago. The power plant will include 150-horsepower duplex engines and two 125-horsepower boilers. Webster Tomlinson, 809 Steinway Hall, Chicago, is the architect, and contracts will be let about July 1.

Chas. A. Smith, 720 Dwight building, Kansas City, Mo., is the architect for the erection of the new High School building in that city at a cost of \$350,000. Bids will be received by the Board of Education until June 15.



GRAND CLASSIC ROTUNDA ON SECOND FLOOR.



INTERIOR SENATE CHAMBER AS COMPLETED.

Construction

A Real Moving Day.

The accompanying illustration is reproduced by courtesy of the New York World, and should prove an interesting if not striking object to the many readers of ROCK PRODUCTS. Every one has seen small frame structures, or even large ones, moved from place to place, but the photograph shown here illustrates moving on a large scale. The structure is five stories high and built of brick and stone and was "snapped" on its slow and tiresome journey through the streets of Brooklyn, N. Y. In order to build the approach to the new Manhattan bridge a large space must be cleared in the district lying between the junction of Flatbush avenue and Fulton street and the Bridge street station of the Lexington avenue elevated line in Brooklyn. This necessitates either the removal or destruction of many houses in the vicinity. Rather than destroy their property the owners of many single houses, four and five-story structures and even whole rows of tenement buildings, have had them moved bodily to new sites, which in many instances are long distances from the original locations. Much care is exercised to avoid accident, as can be seen in the picture, which shows how heavy timbers are thrust through the bay windows of the structures and securely braced to prevent cracking or breaking of the walls. Do the tenants remain in the house while it is being moved? Well, hardly!

Contractors Drop Large Job.

The New York Central railroad, after paying the O'Rourke Engineering and Construction Company of New York City the sum of \$300,000 for the construction plant at work on the site of their new terminal operations, released the contractors from their \$8,000,000 contract and will take the completion of the work into their own hands. Chief Constructing Engineer George S. Harwood of the New York Central took charge of a force of 5,000 men on May 29 and will proceed with the terminal work.

Among the reasons given for the withdrawal of the construction company from the work is that the large number of trains coming into the Forty-second street station greatly interfered with the work and caused great expense. About 1,023 trains move in and out of the station every day.

The entire work contemplated by the New York Central in connection with building the new terminal in this city and the electrification of its suburban lines comprises an expenditure of about \$70,000,000.

F. T. Gubelman, vice president of the O'Rourke Company, says his concern withdrew from the contract without any loss.

A Unique Building.

The new building of the People's Bank at McKeesport, Pa., is unique in that it is the first example of polished Bethel granite to be used for exterior construction in this country. Perhaps more striking than any other feature about the building is the jointing of the granite columns that flank the entrances. It was originally intended that these columns should be monolithic, but later the plans were changed, so that now the columns are jointed in foot and a half rises. They are fluted the entire length and polished and are very effective.

A. & S. Wilson are the general contractors, and the Woodbury Granite Company is furnishing the granite, which is being cut and polished by the Krum Granite and Stone Company of Pittsburg. Mowbray & Uffinger are the architects.

WHERE THERE'S SOMETHING DOING.

Frank Carolan is to erect a \$150,000 hotel at San Francisco, Cal.

The Y. M. C. A. are planning to build a \$100,000 structure at Wheeling, W. Va.

The Y. M. C. A. of Buffalo, N. Y., are raising funds for a \$100,000 building.

The Masonic Temple Association proposes to erect a \$100,000 building at Yakima, Wash.

The Lodge of Elks at Syracuse, N. Y., are making arrangements to erect a \$100,000 temple.

A club house to cost \$100,000 is to be erected at El Paso, Tex., by the Eagles of El Paso.

Plans are being prepared for the new courthouse and jail at Muscatine, Ia., to cost \$150,000.

It is reported that a 9-foot sewer will be constructed in Austin, Ill., at a cost of \$40,000.

A stock company is reported to be forming for the purpose of building a \$150,000 hotel at Fargo, N. D.

It is reported that Mrs. Ruth L. Bailey has given \$100,000 to be used in the erection of a hospital at Mt. Vernon, N. Y.

It is reported that a sanitary and storm sewerage system will be constructed at Ensley, Ala.; estimated cost, \$55,000.

The county board of Green Bay, Wis., will soon call for plans for the erection of new county buildings to cost \$75,000.

Bonds to the amount of \$100,000 will soon be issued for the purpose of erecting a school building at Painesdale, Mich.



HIGHEST DEVELOPMENT OF THE HOUSE MOVING PROBLEM.

The Y. W. C. A. of Pittsburg, Pa., have a building fund of \$500,000, with which they intend to build a permanent home.

It is reported that a \$1,000,000 hotel is being planned for Savannah, Ga. Harvey Granger is one of the principal promoters.

Borough President Coler of the board of estimate asks \$3,000,000 for the erection of the new municipal building at Brooklyn, N. Y.

The state of Washington is having plans prepared for the erection of several new buildings for state institutions; cost \$2,000,000.

The city of Wilmington, N. C., has voted \$50,000 for the construction of a sewer and water system. Alfred W. Weddell is mayor.

The Santa Fe railroad is planning the erection of several buildings in Texas. One is a depot at Cheburne, Tex., to cost \$100,000.

An appropriation has been authorized by the state of Connecticut to build a hospital for the insane at Norwich, at a cost of \$650,000.

Plans are being prepared to build an annex to the academy at Elmira, N. Y. The annex will cost about \$95,000. Address President Collin, Elmira, N. Y.

Plans are being prepared for the construction of sixty miles of sewerage in the city of Philadelphia, Pa., at a cost of \$1,000,000.

Plans have been accepted for the erection of the South Dakota state capitol, which will probably be built of stone from the Sioux Falls quarries.

The Y. M. C. A. at La Crosse, Wis., are planning the erection of a building to cost \$100,000. George W. Burton of La Crosse is one of the promoters.

Drs. Simon and Perry are reported to be forming a stock company to raise \$100,000 for the purpose of erecting a sanitarium at Mineral Wells, Tex.

Bids will be received by the supervising architect, James Knox Taylor, Washington, D. C., until July 1, for the construction of a postoffice at Ithaca, N. Y.

The plans for a building for the bureau of American Republics will be received June 15, at Washington, D. C. The structure will cost in the neighborhood of \$600,000.

The new organization of the Chamber of Commerce at Washington, D. C., are planning to issue bonds to the amount of \$400,000 for the erection of a Chamber of Commerce building.

Bids will be received at the office of F. E. Blodgett, secretary of the sewer committee of Allentown, N. H., until noon, June 18, for constructing about a mile and a half of sewerage pipes, 16 manholes and 16 catch basins.

The Isthmian Canal Commission will soon ask bids for different sized cutting lathes, a universal milling machine, a 36-in. upright drill press, 42x42 in. by 12-ft. planer; a 22-ft. slotter and a 20-in. shaper for the La Boca shops.

Sealed proposals will be received at the Quartermaster's Office, Fort Sheridan, Ill., until 12 o'clock m. June 20, 1907, for remodeling public buildings and installing plumbing, steam heating, electric wiring and fixtures.

The finance committee of the city council of Richmond, Va., are considering the issuance of \$350,000 bonds for the construction of an electric light and power plant, \$35,000 for the rehabilitation of the gas works and \$350,000 for a new high school.

Sealed proposals will be received until June 25, 1907, by the county clerk of Door county, Sturgeon Bay, Wis., for the erection and completion of a jail building and sheriff's residence according to plans prepared by Foeller, Benton & Schober, Green Bay, Wis.

In the district appropriation bill for 1907-S, Congress made provision for two sixteen-room school buildings, each to cost more than \$100,000, and for one twelve-room school building to cost \$75,000. Bids for one of the sixteen-room buildings have been called for.

Sealed proposals will be received at the Interior Office of Indian Affairs, Washington, D. C., until 2 p. m. June 15, 1907, for materials and labor necessary to construct certain school buildings, etc., on the Navajo Extension, Ariz. For further information address Joseph E. Maxwell, Leupp, Ariz., via Canon Diablo.

Sealed proposals will be received at the office of the Board of Works at Grand Rapids, Mich., until 8 p. m. June 20 for constructing the superstructure for a steel bridge, consisting of four spans, each 150 feet in length, and having a roadway and two sidewalks according to the plans and specifications on file at the office of the city engineer, L. W. Anderson.

Sealed proposals will be received at the office of the supervising architect, Treasury Department, Washington, D. C., until June 17, 1907, for the construction of the United States postoffice at Webster City, Iowa, in accordance with drawings and specifications, copies of which may be had of the postmaster at Webster City, or of James Knox Taylor, supervising architect, Treasury Department, Washington, D. C.

Engineers working in the interests of New York, Pittsburg and Chicago capitalists are completing plans for an extended system of canals from Indiana Harbor to a point between Gary and Michigan City, Ind. The surveys provide for a canal 50 miles in length; the main channel is to be 250 feet wide, with a uniform depth of 24 feet, and is estimated to cost \$10,000,000. The engineers have been working on the plans for some time, under the direction of H. L. Richards of New York.

Sealed proposals will be received at the office of the supervising architect, James Knox Taylor, Treasury Department, Washington, D. C., until 3 o'clock p. m. July 8, for extending and remodeling (including plumbing, gas piping, heating apparatus, electric conduits and wiring) of the United States postoffice and courthouse at Fort Worth, Tex., in accordance with drawings and specifications, copies of which may be had at the above office or at the office of the custodian at Fort Worth, Tex.

Important New York Buildings.

The Bronx Savings Bank and the Bronx Safe Deposit Company will build a fireproof building at the northwest corner of Tremont and Park avenues in the Bronx.

The Arnold Realty Company will erect three six-story apartment houses, each 41.8 feet front, on the south side of Ninety-sixth street, 225 feet west of West End avenue.

The Liebenthal Construction Company, 67 West One Hundred and Twenty-fifth street, will erect two six-story brick tenements and stores on the south side of Sixteenth street near Sixth avenue. Architect G. F. Pelham estimates the cost at \$80,000.

Henry B. Harris, owner of the Hudson and Hackett theaters, is president of the Astoria Development Company, a new organization which will begin building operations in the Astoria section of Long Island City, which will involve the expenditure of about \$400,000.

Henry Corn is erecting an eleven-story office building at 64-66 Wall street. Maynicke & Franke are the architects. The facade of the first three stories will be of beveled granite, the next five stories of white stone and the remaining stories of beveled stone with terra cotta trimmings.

At a cost of \$200,000 the Conforti Realty Company will build a six-story apartment house on the northeast corner of Broadway and One Hundred and Twenty-third street. It is to be trimmed with limestone and will have a frontage on Broadway of 100.11 feet with a depth of 90 feet.

The Title Guarantee and Trust Company has recently loaned \$250,000 on 56-58 West Twenty-second street, \$475,000 on 22-28 West Twenty-first street and \$350,000 on 32-36 West Eighteenth street, upon which properties Mr. Corn will erect twelve-story store and loft buildings.

August Franzen is president of a corporation of artists who will erect an eight-story studio, bachelor apartment and office building, to be called the Gainsborough, at 222-224 West Fifty-ninth street. The cost is estimated at \$300,000. Charles W. Buckham of 307 Fifth avenue is the architect.

A large six-story apartment house will be built on the southwest corner of Broadway and One Hundred and Thirty-fifth street by Frank A. Clark. It will front 149.11 feet on Broadway and 100 feet on One Hundred and Thirty-fifth street, having accommodations for forty-eight families. The cost, according to the estimate of Architect Henry Anderson, will be \$225,000.

Plans have been filed for a six-story office building with ground floor stores to be built at the northwest corner of Broadway and Forty-first street. The building will have a frontage on Broadway of 40.7 feet and a depth of 141.2 feet, extending through to Seventh avenue. It will be built for Jacob Wertheim as lessee and will cost about \$100,000. Maynicke & Franke are the architects.

Plans have been filed with Building Superintendent Murphy for a six-story apartment house to be built at the southwest corner of Broadway and One Hundred and Thirty-seventh street for the Charter Construction Company. It will have a frontage of 99.11 feet and a depth of 115 feet with a facade of ornamental brick and stone. It is to cost \$215,000. Emory Roth is the architect.

Plans for the erection of a fourteen-story apartment house capable of accommodating thirty-five families have been filed after being prepared by Delano & Aldrich, architects, 4 East Thirty-ninth street. The structure, which will be 100x100 feet, will be built at the northeast corner of Park avenue and Eighteenth street by the Nine Hundred and Twenty-five Park Avenue Company, of which Walter G. Merritt is president, at a cost of \$600,000.

Neville & Bagge are the architects for the Roman Catholic Church of St. Paul and are preparing plans for a new church edifice to be erected on One Hundred and Seventeenth street, east of Park avenue. It is to be 87 feet front with a depth of 158½ feet, with an extension and will be of Gothic design. The facade is to be decorated limestone and sculptured figures will be placed in niches over the entrances, of which there will be five in the front of the church. The building will cost about \$160,000.

A twenty-story arcade building, fitted especially for jewelers, is to be erected at 15-17-19 Maiden Lane and 18 and 22 John street. It is understood that the work of tearing down the old structures on the site will begin within a few weeks. The new building, which will cost \$2,000,000, is to be erected by the Goldsmith and Silversmith Building Company, in which Edward Holbrook of the Gorham Manufacturing Company is the controlling spirit. It is said that the new structure will be ready for occupancy in May, 1908.

From Our Own

Correspondents.

GREATER NEW YORK.

NEW YORK, June 4.—Estimating and rumors of estimating fill the air. Every man connected with the building trades carries a pocket full of lead pencils ready to figure on contracts. One prominent cut stone contractor said to the Rock Products representative that there seemed to be a large amount of estimating which so far has led to nothing.

There are those among the stone men who believe that business will improve and who talk optimistically concerning the future, yet it is hard to find one not discouraged with present conditions. The amount of figuring going on undoubtedly indicates that there is an undercurrent of activity, yet the most optimistic must acknowledge that estimating without contracts is quite discouraging.

Builders who contemplate the erection of new structures certainly have ample time to afford everybody a chance to figure. Then, of course, there are prospective builders who are abundantly able to have estimates made, but when it comes to the vital moment cannot secure the necessary money for the execution of their plans. One man of long experience in the stone trades and well acquainted with market conditions in general, gave it as his opinion that the usual amount of money was not finding its way to New York. "It has often been said," he states, "that in the end everything comes to New York, but we must remember that other cities are doing great things themselves and this has necessarily stopped the usual flow of money to the New York banks." Banks have not the usual amount of money on hand for lending. While many of the more conservative lenders have made large loans for building purposes, there are other things to attract the attention of the investor and Wall St. with its willingness to pay high rates of interest on call money is not the least of these potent influences.

The representative of Rock Products found it unusually difficult to find stone men in their offices during the month and this is accounted for in the words of one of them, who said: "I can't make any money by sitting at my desk nowadays." Every man is busy looking out for possible business and in seeing that he gets his share of what is offered.

The granite and marble interests are slower to feel depressing conditions than the oolitic limestone people, because it takes them longer to execute their contracts. Most of them have large contracts on hand still uncompleted and can easily go on for a year or more without feeling any effect from existing circumstances.

While the 'knocker' need not search for ammunition at the present time the optimistic can answer his arguments. It is certain that we have not experienced such an unfavorable or unusual season of weather for years. June finds winter still with us and clouds hovering over New York with exasperating persistency.

The Rapid Transit Board voted unanimously on May 31 to advertise at once for bids for the construction of the new Fourth Ave. subway in Brooklyn. Plans presented by Chief Engineer Rice call for a four-track subway from the Brooklyn end of the Manhattan bridge to Fortieth St. and Fourth Ave., with two tracks from that point to Fort Hamilton and two tracks to Coney Island. The new Utilities Commission will open the bids and pass finally upon the building of the subway. The construction of the road will involve the expenditure of \$23,000,000, and will undoubtedly cause the greatest building activity along its route.

Railroad Delivery Delays Unveiling.

The Massachusetts Monumental Company, 150 Nassau St., is satisfied with present business conditions and has a number of good orders on hand. This firm has just finished a handsome monument, which was to have been unveiled at Newark, N. Y., on Memorial day. The stone is in memory of Thomas Dunne English, author of "Ben Bolt," and was given by the Society of American Authors. The ceremony, however, had to be postponed on account of the inability of the railroad company to make prompt delivery. The Massachusetts Monumental Company has the assurance that the monument is "on the way."

A Holiday Fisherman.

K. F. Albertson of the New York Granite Company, 1133 Broadway, is an ardent sportsman. He spent Decoration day fishing—not for orders, for he has plenty of them—but, according to the way he tells it, he must have laid in wait for unsuspecting whales. Far be it from us to discredit Mr. Albertson's story regarding the size of his prey, but he is a monument man—and besides, he used to be a newspaper reporter. At any rate he took rod and line and plenty of bait and spent a pleasant day in Morris county. This recreation was none the less enjoyable because Mr. Albertson has just finished serving on the jury in three different murder cases, all of which kept him from his office for nearly a month.

In speaking of business conditions at present he says that he finds trade steadily improving. The unfavorable weather conditions have done much to retard work at the quarries, and railroad facilities are not adequate; however, a general improvement in the trade is manifest.

[Quarries Running to Full Capacity.]

Mr. Adamson of Booth Bros. and the Hurricane Island Granite Company says that the Booth Bros.' quarries at Waterford, Conn., worked to full capacity for a long period preparing for Decoration day. He believes that the monument business will be very good this year.

Work is progressing rapidly on the quarrying and cutting of the Hurricane Island granite which is to be used in the construction of the new Museum of Art at Boston, Mass. The contract calls for about 80,000 cubic feet of stone. The architect of this structure is Guy Lowell, 1128 Tremont building, Boston. Ambrose B. Stannard, 1133 Broadway, New York, is the general contractor.

Mr. Adamson also reports that shipment of the Hurricane Island granite which will form the base of the new tower addition to the present building of the Metropolitan Life Insurance Company began the first of June.

Norcross Bros., 160 Fifth Ave., says that business is satisfactory in the granite trade. They market Troy white, Stony creek, Branford syenite and Milford pink, and find a very good demand for these grades. They believe that building conditions will continue to improve during the season.

The Flint Granite Company, 1133 Broadway, says that conditions are improving slightly in the monument trade and that there is no doubt but that monument men will have a satisfactory year in spite of the setbacks recently experienced.

The company is now at work quarrying the Newport white granite which is to be used in constructing the Prison Ship Martyr's Monument in Brooklyn.

Italy Buys a Masterpiece.

The government of Italy has recently purchased for \$90,000 a masterpiece of ancient sculpture which was brought to light by a storm in 1878. The statue, representing a priestess or some mythological character, was revealed by a storm in which the tempest washed away a part of the shore at Porto d'Anzio, where a famous villa of Nero was situated. Some persons attribute the statue to the school of Praxiteles or even to some sculptor of Asia Minor. It is said to be as perfect in creation as the Venus de Milo.

Six Months' Strike Settled.

On May 24 it was announced that the six months' strike of bricklayers against the John Pierce Company on the work of the postoffice building of the New York Central terminal at Forty-fourth St. and Lexington Ave. had been settled by the signing of an agreement between the contestants. The work is one of the most important contracts in New York and will give employment to over 1,000 building mechanics. It is expected that the construction will be pushed ahead rapidly after the long delay.

The settlement of the present difficulty prevented a spread of the trouble which would have included improvements aggregating millions of dollars made necessary by the electrification of the New York Central between this city and Yonkers.

The New York Tunnel Company, a sub-contracting concern which has been engaged in the actual work of boring under the East river from the Battery to the Brooklyn shore, went into the hands of a receiver on May 24. It is said that this will in no way affect the prosecution of the work.

Last Tunnel Contract Let.

On May 18 the Pennsylvania railroad let the contract for the last section of its tunnel contracts to Naughton & Co. and Arthur McMullan. This con-

tract calls for the construction of the eastern portals and approaches where the trains come out of the ground in Long Island City and a short stretch of cut and cover tunnel just west of these portals. Engineer Alfred Noble will direct the work. Considerably more than 40 per cent of the work on the four iron-lined tunnels under the East river has been completed.

Looks on the Sunny Side.

"Nearly every one in the stone trades will be satisfied with business conditions before snow flies," is the assertion of F. A. Dickinson, New York manager for the Bedford Quarries Company. When seen at his office, at 1 Madison Ave., Mr. Dickinson said that there are undoubtedly signs of improvement in trade. This progress is necessarily somewhat slow, but nevertheless gives cause for a feeling of encouragement to those interested in the building lines. "I still hear a great deal of pessimistic talk," said he, "but I am inclined to look on the bright side of the situation and take new hope from the steadily improving conditions."

Among other things which Mr. Dickinson mentioned in the course of his conversation was that he had made two trips through the Bedford district within the past few weeks and he noticed an occasional idle mill in the oolitic belt. "Our company is doing little mill work and we are shipping much of our product to the East and elsewhere, in block and sawed stone," he said.

The Bedford Quarries Company has a large number of large contracts on hand.

Active Demand for Bluestone.

Peter B. Sweeney, 106 Broadway, who operates bluestone quarries in the North River Bluestone district, as well as in the Pennsylvania section, says that while there is a decided lull in building conditions he finds an active demand for bluestone in other lines. A great deal of his product is now being used in street work in New York City and other places. While there is not the usual amount of building in progress this spring as in past seasons Mr. Sweeney has a number of important contracts on hand, among which is the furnishing of the bluestone required for the new Baltimore library; also many schoolhouse contracts here and elsewhere. As is well known, bluestone is used to the greatest extent for floors, steps, treads, sills, sidewalks and curbing. It is also an excellent material for fancy work and trimmings on buildings. The product of Mr. Sweeney's Pennsylvania quarries is proving especially satisfactory, being of fine quality and easily quarried.

Order Books Well Filled.

Among the quarrymen in New York it is hard to find one better satisfied with present trade conditions than H. L. Woody of George Doyle & Co., 287 Fourth Ave. Mr. Woody says that he realizes trade in general is not up to the average and that there is much complaint from the various stone interests, yet his firm has a sufficient number of contracts on hand to keep busy for the entire year.

Among the contracts on the company's books is the furnishing of stone for the Apthorpe apartment house at Seventy-ninth St. and Broadway, which is being cut by John Giles & Son; the mammoth terminal buildings of the McAdoo tunnel, cut by William Bradley & Sons; the interior of the First National Bank building at Boston, E. F. Meny & Co., cut stone contractors, and the new building of the Massachusetts Mutual Life Insurance Company at Springfield, Mass., the stone cutting contract for which is in the hands of Norcross Bros.

Note a General Improvement.

George Brown & Co., cut stone contractors, 1123 Broadway, state that they note an appreciable improvement in conditions over those existing a month ago. Considerably more estimates are asked for, which denotes an increasing number of building projects which will come to light sooner or later. Some of these, of course, have been held back on account of the stringency of the money market, but nevertheless they show that there is something being planned at least.

Among the larger contracts on which this firm is at work at present is the new Consolidated Stock and Petroleum Exchange, which is being built at Beaver and Broad Sts. The stone used in the construction is being supplied from the Hoosier quarry of the Bedford Quarries Company.

John J. Deery of G. P. Sherwood & Co., 1123 Broadway, says that business with his firm is very satisfactory and that he looks for an improvement in the stone business generally within a short period.

Has Many Large Contracts.

J. E. Dutton, the well-known granite man of 42 East Twenty-third St., in expressing his opinion of the general conditions of the granite trade, said that the market seemed to be in a satisfactory condition. "No one seems to be rushed," he stated, "nor is there an excessive demand for stone at this time, but I believe most of the granite operators are able to secure a comfortable amount of business. As far as I am concerned, I can find no cause for complaint."

Among the large contracts which Mr. Dutton has on his books at present is one for furnishing granite for the Y. M. C. A. headquarters, the large addition to the New York World building, which is now under construction, and two new buildings for the Bellevue Hospital.

Manages to Get His Share.

Although complaining of the dullness now generally felt in the stone trade George K. Beddoe of the Perry-Matthews-Buskirk Stone Company, whose office is in the Metropolitan building, closed his remarks to the Rock Products man by saying, "But, you know, when things are dull, we simply have to work a little harder, and I am glad to say that we are getting our share of the business being offered." An important contract among those acquired recently by Mr. Beddoe is one for furnishing the stone for a new building to be erected for Boehn & Coon at the corner of Thirty-fifth St. and Fifth Ave. This is a large office structure, of which Architects Clinton & Russell, 32 Nassau St., are the designers. George Brown & Co. have the stone cutting contract for the structure. Mr. Beddoe has long contemplated a trip to Bedford, but states that up to this time he has been unable to find time for the visit to his old home.

Working on Six Mausoleums.

Besides operating one of the largest monumental works in the country the Presbrey-Coykendall Company has one of the best and most conveniently equipped offices to be found among the monument firms of New York. The plant is located at Barre, Vt., and is a model, but the visitor who walks into the New York offices at 198 Broadway is immediately impressed with the surroundings. Handsome models of monuments and mausoleums are seen in the various rooms and are instructive as well as interesting to the observer. Among these is a model of a handsome monument which is now being cut at the company's plant. It is a mammoth, roughly hewn boulder, representing the Rock of Ages. From this rises a cross, to which clings a graceful female form. The monument is most artistic and is strikingly appropriate. It was cut from a single piece of stone weighing fifty tons in the rough.

Back of the business offices and reception rooms are the drafting rooms, lighted on three sides by large windows in addition to a skylight. At present the company is at work on six handsome mausoleums and has many less important contracts on hand.

Mr. Presbrey, in speaking of present trade conditions, said that business is satisfactory and orders are coming in at such a rate as to keep them busy, although he doubted not that more favorable weather conditions this spring would have caused a much larger volume of business. His company did the largest business in its history during the month of January and since that time trade has been quite satisfactory.

Strike Ties Up Imported Stone.

Frank J. Hannold, manager of Townsend, Townsend & Co., 453 West Twenty-first St., monument dealers to the trade, when visited by the Rock Products representative, was in a rather perturbed state, owing to the inconvenience experienced from the longshoremen's strike. This firm does a large import business and naturally feels the ill effects of the strike. The coastwise lines of steamships have capitulated to the strikers, but the trans-Atlantic companies continue to hold their ground. According to Mr. Hannold, one ship containing a large consignment of stone for Townsend, Townsend & Co. landed here two weeks ago and still remains unloaded, much to the company's discomfort. All the firm's troubles are not confined to the strike, however, for Mr. Hannold said that considerable difficulty is experienced in getting sufficient cars for shipments from the New England quarries. So far, he declares, weather conditions have been adverse, and on this account there might have been expected a greater falling off in orders than is now evident. However, the number of orders received is satisfactory and the firm hopes for a change in the other conditions mentioned.

PHILADELPHIA, PA.

PHILADELPHIA, June 4.—The stone market, which at this period should show a tendency for the better, is lagging, and reports on the outlook for summer trading vary according to location. In the large cities big jobs are scarce; smaller towns seem more active, especially throughout the eastern Pennsylvania district. In the southern sections, running through to West Virginia, the feeling inclines to pessimism and reports from that quarter show an unusual quietus for this period. It is hoped that a new impetus will be given to trading if weather continues favorable. Building operations, now that the strike is settled, have again become active, and structures requiring considerable stone work are being pushed, consequently the cut stone contractors are busy making up for the delay caused by the strike and bad weather.

Annual Fish Dinner of the Stone Men.

The Master Stone Cutters' Association of Philadelphia had their usual annual plank shad dinner at Falls Hotel, Westville, N. J., on May 4, to which the quarrymen were all invited. A goodly crowd assembled at the Pennsylvania Railroad ferry and proceeded *en masse* to the hotel. The dinner was served at 4 o'clock on the second floor of the hotel, where a table extended the length of the building. A more social gathering never convened in this hostelry. The menu comprised everything that the early spring and hothouse could produce, but of course the fresh shad, caught only a mile from the griddle, was the *pièce de résistance* of the occasion. Music was rendered throughout the repast and the stone cutters' quartette, under the able direction of R. Chambers, Jr., gave a number of selections, which were highly appreciated. When the cigars made their appearance the guests who were present by invitation were welcomed by an address from the president of the association, William H. Sivel, delivered in his usual happy style. With the exception of a few pleasant words from some of the guests, the members and the secretary, speechmaking was generally dispensed with. Great credit is due the committee, R. Chambers, Jr., James Hastings, W. H. Sivel, S. J. Buck and W. H. Wilson, as this year's annual was one of the most successful in the history of the association. The officers are: President, William H. Sivel; vice president, Samuel J. Buck; treasurer, Charles S. Schroeder, and secretary, William H. Wilson. Invited guests present were: I. W. Kenderdine of the Hummelstown Brown Stone Company, G. E. Seranton of the Perry-Matthews-Buskirk Stone Company, G. E. Brooks of the Consolidated Stone Company, Frank Williams, the popular representative of various companies, and Jacob Holtzman, Philadelphia representative of Rock Products. Members present were: W. H. Sivel, Samuel J. Buck, W. H. Wilson, Andrew T. Gallagher, Robert M. Chambers, Jr., Hugh Copeland, Jr., Samuel W. Copeland, John Heilman, J. L. Pendlebury, Ernest Hays, Howell Hays, Robert D. Kelley, John A. Dodds, Alexander Kirkpatrick, John Kirkpatrick, P. King, Mathew McClintock, George W. McIntyre and William McIntyre. A return dinner will be tendered the association next year by the quarrymen and a feast is looked for.

William C. Kerber of the Furst-Kerber Cut Stone Company, Bedford, Ind., was a recent visitor to the trade.

Charles A. Grice of George Anderson & Co., Ltd., Newark, N. J., recently sailed from New York for a short tour of Europe.

Another recent interesting visitor to Philadelphia was D. P. Osterling of the Columbia Stone Company, Cleveland, O., and vice president of the National Quarrymen's Association.

G. E. Seranton, Philadelphia representative of Perry-Matthews-Buskirk Stone Company of New York City, recently returned from a trip through the eastern Pennsylvania district. Although conditions in the main were satisfactory he noticed a slight quietus all along the line. The small towns were hopeful as to the future, but in the larger cities a dearth in large stone structural work had had its effect upon business.

G. E. Brooks, Philadelphia representative of the Consolidated Stone Company, recently made a southern tour, taking in Baltimore, Washington and West Virginia. He reports the stone market in these sections below the usual standard at this time of the year, also there seems to be a pessimistic tendency as to opinion of prospective summer business. Mr. Brooks brought in a fair bunch of orders and it is hoped the settled weather will conduce to a more active southern trading.

The Chester Stone Company, Morgan Station, Pa., and Land Title building, Philadelphia, was recently incorporated under Pennsylvania laws, authorized and full paid in capital \$10,000. The officers are: President, W. L. Ludascher; vice president, Herman L. Winterer; secretary and treasurer, Amos Y. Lesher. This company will quarry face foundation stone. They are putting in a Gates' crusher and will turn out crushed trap rock.

Joshua Oldham & Son, the old established firm and well known machinists and manufacturers of automatic tools, obtained a charter under Pennsylvania laws May 18, under the style of Joshua Oldham & Son Company; authorized capital, \$100,000.

The Vosburg Blue Stone Company of Scranton, Pa., was granted a charter under Pennsylvania laws on May 18. Capital stock, \$20,000.

With the Cut Stone Contractors.

William S. Sivel, for many years in the cut stone contracting business, at 2501 North Twenty-seventh St., has about closed out his yard. He remains president of the Master Stonecutters' Association of Philadelphia, also superintendent of the Masonic Home of this city. The trade will miss him as he is one of the most popular men among the stone cutters.

Buck & Gallagher, cut stone contractors, Ninth and Wolf streets, is one of the hustling firms in the stone trade. They have been in business sixteen years. Though their yard is not large, they carry quite a heavy stock, especially of Connecticut brownstone, which they are using extensively. They do a great deal of operation work and have contracts on hand now for the stone work on over three hundred dwellings.

Wm. H. Wilson, cut stone contractor, 2519-23 Lombard street, is a veteran in the business, with a long-established reputation for reliable work. He confines himself mainly to jobbing. Mr. Wilson is the popular secretary of the Master Stonecutters' Association.

H. McIntyre & Son, cut stone contractors, Broad street and Oregon avenue, is a business established by Hugh McIntyre fifty-one years ago. Subsequently his sons, George W. and William, were admitted, under whose management the business has made rapid progress. They are at present busy supplying stone for a great many small dwellings, also have contracts for a number of larger structures. Hand tools are used altogether.

Hugh Copeland & Sons' Steam Stone Works, Twenty-fourth street and Washington avenue, now carried on by Hugh, Jr., and Sam'l W. Copeland, are among the successful contractors. They were visited by fire some months ago, which destroyed their old plant, but a new one is just about completed. They have a large yard thoroughly equipped, and do an extensive business.

P. King, cut stone contractor and monumental work, 2831-33 Ridge avenue, has been in business for thirty-seven years. His work is mainly done by hand tools, but considerable of his stone is cut at the quarries. He has some fair contracts on hand, and has the reputation of turning out honest work.

Kirkpatrick Bros., cut stone contractors, Twenty-third street and Washington avenue, express themselves as satisfied with conditions and report business moving along smoothly.

Monumental Work Slow.

Business in the monumental line has been a little quiet of late, but the more springlike weather has quickened things somewhat, and the monument builders are optimistically disposed as to summer trading.

John Ferguson, Ridge near Lehigh avenue, trading as the Ferguson Granite Works, has been in business forty-six years, doing work for some of the best families in the city. His work, which is of a high standard, includes a sarcophagus for the family of Sam'l Wanamaker, cost \$1,000; one for the family of Chas. M. Swain, cost \$1,900, and a monument twelve feet high for the family of John J. Ziegler at a cost of \$1,500. The material used in these instances is Westerly granite.

W. S. Birney & Co., 3427 Ridge avenue, who succeeded Robert Wood three years ago, have turned out some very creditable work. They report business more brisk at present, after a quietus of some time, on account of backward season. A handsome sarcophagus built of 185 cubic feet of Westerly granite has been furnished by this firm for the family of A. Lowden Snowden. They use Thos. H. Dallett Company's surfacers and tools, and a gas engine from Bachus & Co., Newark, N. J.

H. R. Lake, Ridge avenue and Huntingdon street, has been in business forty-one years. He reports the season slow, but orders are beginning to come in, and the outlook is improving. He employs Westerly, Chester and Barre stone and uses only hand tools.

CLEVELAND AND NORTHERN OHIO.

CLEVELAND, May 25.—The past month has seen considerable improvement in the stone market in Cleveland, although things are not as brisk as they were a year ago. There seems to be a falling off in the amount of building being done with stone, though the flagging and curbing demand is excellent.

For monumental buildings stone is still held to be the best material obtainable and is invariably selected. But for general business block construction dealers are ready to admit that the local sandstone is not as popular as it was of yore.

The demand for grindstone continues as heavy as during the winter, and carload after carload is being sent out by Cleveland companies. The department in charge of grindstones for the Cleveland Stone Company report the best winter and spring ever experienced.

With the opening up of spring the paving season is again on in full swing and enormous quantities of curbing and flagging are being demanded. The extraordinary demand for curbing has caused it to advance in price about 10 per cent within the past two months. Other kinds of stone, however, remain unchanged.

The two biggest jobs of the month are still unlet and will be decided on some time during the month. Architect J. Milton Dyer, who has charge of the building of the new \$1,000,000 bank building for the First National Bank on Euclid avenue, says that plans are completed and that bids will soon be requested for materials and work. An unusually heavy contract for granite and marble is to be let with this job.

Another important project is the erection of the new stone courthouse for Lake county at Painesville, O. George W. Carmichael of Akron, who got the general contract for about \$300,000, has not yet indicated who will furnish the stone required for the new structure.

The mason contract for a new stone church for the congregation of the Westminster Presbyterian church has been let to Fred Cockrem of Cleveland. The church is to be ready for occupancy in a year.

The Cleveland Courthouse Bobs Up.

Gen. Jared A. Smith, one of the Cuyahoga county building commissioners, is touring eastern cities and states with a view to investigating building materials for the new county courthouse, particularly with regard to the kind of marble to be used. Some 50,000 cubic feet of marble will be required for the structure at a cost of \$500,000. General Smith went first to Pittsburgh and then to New England, where he is visiting the marble quarries. The commission at a recent meeting declined to agree to three members taking the junket, so General Smith was chosen to make the trip alone.

The county courthouse project is still in the air, the supreme court having failed as yet to pass on the validity of the contract which the commission made with John Gill & Son to build the structure.

The Ohio Quarries Company has started shipments on the contract recently awarded it for the stone for the new courthouse at Jamestown, N. Y. The contract is worth about \$50,000 and calls for a high grade of sandstone. The flagging demand is also good with this concern.

A monumental building to be known as the Ott Memorial and to be built in connection with the Baldwin University at Berea, a few miles from Cleveland, was announced during the past month. The Malone Stone Company of Cleveland was given the \$50,000 contract to supply the buff Amherst sandstone with which the new structure will be built. The general contract was let to John Schmeller of Cleveland.

The Malone Stone Company is also busy supplying stone on its contract for the new convent being built near Canton, O., which is to cost \$150,000. The demand for curbing and flagging, according to this concern, is very keen and good prices are being secured.

Business with the Cleveland Stone Company is humming along as usual, although officers of the concern admit that most of the demand is for grindstone, flags and curbing.

The Maxwell-Rolf Stone Company, which handles flagging almost exclusively, reports that business is very brisk and that it is busy turning out as much material as its facilities can handle.

The Independent Stone Company has installed a new \$2,400 channeller at its quarry at Peninsular, O., and is busy operating other machinery at the

same quarry, turning out big quantities of stone. By June 15 it is expected that the new railway running to the company's new quarry at Amherst will be completed so that machinery can be installed and work started in that locality.

A handsome new stone library building is being erected for Oberlin University at Oberlin, O., a short distance from Cleveland. It is the gift of Andrew Carnegie and will cost upward of \$200,000. It will be of Ohio sandstone. The general contract for the structure has been let to John Feick & Son of Sandusky. The Finney Memorial Chapel, to be erected at the same university, will cost \$10,000 and will be of Ohio sandstone. Feick & Son have also been awarded the contract.

BUFFALO, N. Y.

BUFFALO, May 29.—Buffalo contractors are preparing to bid on the important work to be done in improving the Belt Line and other grade crossings in this city. The contracts will be in charge of the Grade Crossing Commissions and will mean a big expenditure by the city. A large amount of stone will be used in the construction of viaducts at Bailey avenue, Broadway and other streets.

Pleased with the successful manner in which the firemen checked the spread of the recent blaze at the plant of George W. Maltby & Sons, dealers in marble and cutstone in Buffalo, that firm has contributed a substantial sum to the firemen's relief and pension fund of this city.

The Niagara Frontier Landmarks' Association will erect two tablets this year. One will commemorate the old First Presbyterian Society, which came into existence in 1812, and the other will be in memory of St. Paul's Episcopal Church, erected in 1819.

Armour & Co. of Chicago have acquired a site on the Hamburg strip, a section of Buffalo, and will erect on the location a cold storage plant which, it is said, will cost upward of a million dollars.

North Tonawanda, N. Y., is enjoying an industrial boom and much stone and other building material is being used in the erection of plants there. One promoter is negotiating with more than a score of factories with the view to having them locate there.

The laying of the cornerstone of the new William Smith Hall of Science will take place at Hobart College, Geneva, N. Y., June 18.

Homer Knapp of Rochester, N. Y., has secured the contract for the erection of a high school at Charlotte, N. Y. The work will involve the expenditure of about \$26,000.

Rochester railroad officials are discussing plans for the erection of a subway at the Brown street crossing of the New York Central railroad of that city. It is estimated that the proposed subway will cost about \$200,000.

Architect E. W. Van Slyke of Binghamton, N. Y., has prepared plans for the erection of an apartment house on Warren street in that city. The building will be of cut stone and pressed brick, with concrete foundation and will cost about \$18,000.

Bishop Colton has laid the cornerstone of the new Church of Our Lady of the Rosary at Niagara Falls, N. Y.

The plan, which is being discussed in New York City and has for its purpose the erection of a monument to Stanford White, the accomplished architect of New York, is also being discussed here. New York friends declare that they have not yet decided definitely but that whatever is to be done will be of a permanent nature.

About \$30,000 will be spent in the erection of a new courthouse at Hornell, N. Y.

The recommendation of Colonel Symons of the Barge Canal Advisory Board of New York state to erect a single lock at Lockport, N. Y., to replace in the 1,000-ton barge canal the double flight of locks now existing there in the Erie canal has been definitely adopted by State Engineer Skene at Albany. The single lock at Lockport is rendered possible by the fact that it will be cut practically in the solid rock. It will be of the same length and width as the other barge canal locks, 310 feet long and 45 feet wide. The most striking feature will be the depth due to the lift of fifty feet necessary to overcome the difference in the water levels below and above the lock. The highest lift now known is thirty-six feet in a canal in Europe. One tier of the present locks will be retained for the use of boats of the same size as those now in use.

Plans have been prepared for a new courthouse to be built in Chautauqua county, New York. The dimensions are 90x140 feet. The structure will contain the following material: 150 cords of rough

stone for foundations, 20,000 cubic feet of dressed stone, 100,000 common brick, 15,000 square feet of partition tile, 225 tons of iron and 7,250 square feet of fireproofing. The exterior of the building will be of Ohio sandstone; the interior hallway floors and stairways will be of marble. The building will contain court room and county offices.

According to present plans a sea wall will be erected in Toronto, Can. Much stone and concrete will be used. The city council contemplates spending \$50,000 a year for a series of years on this great work.

A building that will cost \$400,000 will be erected in Jay street, near the city line of Rochester, N. Y., by the Yawman & Erbe Company.

The members of Trinity Methodist Church of Schenectady will build a new edifice. The auditorium will have a seating capacity of about 1,000. Conforming with the Gothic style, a chapel will be built at right angles to the church.

A new city hall will be built in Geneva, N. Y. Plans were recently discussed at a conference held by Mayor Rose and the common council of that city.

Plans for what will probably be the largest lock in the world have been approved by the Barge Canal Commission, which has charge of the construction of the 1,000-ton barge waterway in New York state. Much stone and similar products will be used in the lock, which will be located at Lockport, N. Y. Colonel Symons of the board conceived the plans for the lock. The northern tier of the present locks will be removed to make room for the new one, which will be a single lock, operated in the same manner as the old structures. The lock will be forty-five feet wide. The work for the new lock will be the most pretentious ever tackled in Lockport. It will be necessary to excavate to a depth of 62 feet, the difference between the upper and lower levels of the canal. It is expected that work will be started on the lock next winter.

The Empire Engineering Corporation, which has a large contract on the new barge canal at Oneida, N. Y., is handicapped by lack of the stone used in building cribs for the piers. About one hundred men are now employed on the job and many more would find employment, it is said, but for the lack of stone.

The city architect of Toronto, Can., has prepared plans for a pavilion that may be erected in Allan Gardens in that city at a cost of \$350,000.

The Superior Copper Company, backed by a capital of \$2,000,000, will build a big concentrating plant on the Ontario side of the river at Sault Ste. Marie.

The work of Sculptor Cyrus E. Dallin, who is preparing the design of the Soldiers' and Sailors' monument of Onondaga county, N. Y., was recently inspected in Boston, Mass., and pronounced very successful.

The plan to build a subway, fifty or sixty yards long and about sixty feet wide, to relieve the congestion of the crowd leaving the exhibition grounds at Toronto, Can., is being considered.

A report from Toronto, Can., says: "Twenty stone cutters employed by John Vokes, cut stone contractor, have gone on a strike. They claim that the constitution of the union prevents them from working with non-union men."

Mayor Coatsworth of Toronto, Can., recently laid the cornerstone of the new Agricultural building at the exhibition grounds in that city.

The canal board of New York state has approved plans for contracts for work on the new 1,000-ton barge canal. The contracts involve an expenditure by New York state of about \$7,500,000. The superintendent of public works will advertise for proposals under these contracts. The contracts approved were: No. 12, covering excavation for the new canal from Oneida Lake westward, forty-two miles; No. 14, providing for the construction of locks and dams in the Mohawk river between Amsterdam and Little Falls; No. 35, providing for the excavation of the Oswego canal near Fulton, N. Y.

SYRACUSE, N. Y.

SYRACUSE, June 1.—In spite of the cold and rainy weather of the present spring building operations in Syracuse up to date have run about \$700,000 ahead of the first five months of last year. The total amount of building permits for April was \$666,633. This was the biggest month in the history of Syracuse.

The total amount of building permits for Syracuse during the month of April was \$666,633, of which \$460,010 was for new buildings and the rest for additions. This is the biggest month in the history of Syracuse. The first four months of 1907 ran \$644,633 ahead of the first four months of last year. As is shown by these figures building operations have taken a decided jump in Syracuse during this

month. The actual work of building has been somewhat delayed by the cold and rainy weather of April and the first week in May.

The Sanborn Granite Company, whose office and works are at 1601 Grape street, have been doing large business in granite and memorials. The plant is completely equipped with modern machinery and is located near the largest cemetery in Syracuse. Alfred H. Combe is the designer and E. Pausch the sculptor. Among the productions in granite of this firm are the mausoleums of George N. Crouse, Julia T. Gibson and C. M. Warner and monuments of E. W. Leavenworth, James J. Belden, George W. Kennedy and others of Syracuse and a number of prominent ones in Utica, Rochester, Oneida, Rome, Watertown, Little Falls, Johnstown, Herkimer, Clinton, Cooperstown, Adams and other places.

The proprietors of stone yards are now furnishing two handed tools to the stone cutters.

Charles Thomas is cutting Onondaga and Indiana limestone for the Fischer & Ballard building at Oneida and also Gouverneur marble for the home of Joseph Dunfee, a Syracuse contractor. Mr. Thomas is also cutting gray canon Ohio sandstone for the new Y. M. C. A. building. As a representative of Rock Products was visiting Mr. Thomas' stone yard an express package arrived which proved to be a gallon can of maple syrup sent by the Woodbury Granite Company of Hardwick, Vt.

Delaney & Soule, monument dealers, report a large business. Most of it is in small jobs.

The McElroy, Kelley & Stormer Brothers' limestone quarries at the Indian reservation are being run this year as usual.

Charles D. Joslyn, who was engaged in the marble business at Homer, N. Y., recently died in Syracuse. He was born on a farm near Homer in 1831.

A new bill will be introduced into the state legislature appropriating \$10,000 for geological study to determine the value of the state's undeveloped mineral land. Assemblyman Frederick G. Hooper of Essex county, who is back of the plan, believes that mines and quarries can be developed in many of the mountainous portions of the state with immense profit.

Dewitt C. Whitney and A. S. Whitney are working on a contract for the marble for the Canton library at the St. Lawrence quarry at Gouverneur.

The Gouverneur quarry of the Watertown Marble Company started up this spring after being closed down all winter and Supt. Joseph Callahan is in charge.

CHICAGO, ILL.

CHICAGO, June 3.—The cut stone yards present a more encouraging appearance this month than they did last. A few were shut down for a few weeks, but all are now open and every one has a good supply of work on hand. The principal work at present is on residences and flat buildings, both large and small. The school board usually at this time has a large amount of building work planned, but at present there are no new school buildings proposed. The recent change in the city officials has made the members of the board relax some and make fewer plans for future work. The new board will shortly take up their duties, but what their policy will be is yet unknown. Whether they will continue putting up new and larger schools or will spend their appropriation for other purposes is a conjecture. The large buildings that have been erected in the past few years have caused the cut stone contractor, as well as every other man connected with the building business, to make a strong bid for school work. There are no large public or office buildings contemplated at present, so that the cut stone contractor is bending his energy to get his share of the residence and flat building.

W. McMillan & Son are the only oolitic limestone quarrymen who have a yard in Chicago. Their yard is located at 654 South Rockwell St. and is in charge of T. F. Hagen, assisted by Fred W. MacKenzie. They carry a large stock of mill blocks and all sizes and styles of mouldings on hand. Their sidetrack on the Belt line accommodates five cars, and they have two travelers, one steam and one electric, to handle the blocks. They do some sawing here and have four sets of gangs, the power being furnished by an Atlas engine. This yard supplies the finished stock for Chicago and vicinity.

Thomas J. Jones, cut stone contractor, 640 South Rockwell St., reports that he has a large number of orders on hand and has been busy all spring. He is at present working on the cut stone work for a parochial school in Austin.

A. F. Gibson, 3327 La Salle St., states that business is good. He has just secured the contract for the cut stone work on the Chicago & North-Western

depot at Pierre, S. D. He has several other smaller jobs that he is now working on.

The yards of Tomlinson & Riley at Thirty-ninth St. and Stewart Ave. have been busy this month. They have the cut stone contract for several flat buildings and are at present finishing the work on a large structure on Belden Ave. Among other important contracts are the Peter Brauman building on Michigan Ave., the Joseph Joyce building on Sheridan Road and the Duback building. They also have the contract for the cut stone work on the new Chicago City Railway car barns, but Mr. Riley says that work on this building is progressing rather slowly.

Henry Struble reports that his mill at Bedford, Ind., is well supplied with orders and his company is better able to turn out work than previously as it has the Diamond saw in operation. The company is at present at work cutting the stone for the Excelsior Club at Cincinnati, O., a job that requires about 10,000 feet of Bedford stone. It is also furnishing the cut stone for the new Y. M. C. A. building at Champaign, Ill.

Furst & Fanning, 73 Hawthorne St., report that they have on hand several cut stone jobs for flat buildings and residences. "There are many larger cut stone jobs due that the contracts have not been awarded for," said Mr. Fanning. This concern is completing the stone work on a building for a large publishing house at Twenty-third and Prairie Ave.

T. C. Deiner & Co., whose stone yard is located at 346 West Twenty-first St., are at work on several nice jobs. They have just added to their equipment a circular saw, made by the Ruggles Machine Company of Poultney, Vt., and state that they are well pleased with its work. Their yard is well equipped; it has three single planers, two sets of gangs, one rubbing bed and a steam traveler to handle the stone.

Edwards & Ward, stone and granite contractors, have the contract for the stone and granite work on the new Schlitz building in Milwaukee. It is to contain a theater and a large number of offices and will be one of the finest structures in that city. The base course will be of polished granite and there will be a large amount of Bedford stone used. The general contractors of the work are John Griffiths & Sons. The architects are Kirchhoff & Rose of Milwaukee, Wis.

At the office of the Consolidated Stone Company in the Monadnock block they are always busy taking care of the orders for their famous buff. Mr. Vernia, who presides here in the absence of Captain MacKay, said that they had finished shipping the stone for a large job at Omaha, Neb., and they would have a picture of it soon which will be shown in Rock Products.

"The past few weeks has changed stone conditions," said W. W. Smith of the Bedford Quarries Company. "The backward spring has delayed building operations, not only in Chicago but all over the country. There are a large number of big jobs hanging fire which have not yet been decided, but no doubt before the summer is over things will be moving as actively as they did last year."

D. K. Meirs, sales manager of the Hunter Valley Stone Company, has just returned from a trip to New York. Mr. Meirs said that the stone contractors of that city anticipate a good business this summer. This company is making several changes in its mill equipment at Bloomington and is installing much new machinery.

The committee on buildings in the city council announces that the work of demolishing the City Hall will be commenced about August 1. The appropriation for the work, together with that for the caisson work, has been made and both will be pushed so that the construction of the building may be rushed.

The McCormick branch of the International Harvester Company will erect a warehouse on property adjoining its present plant. It is to be a seven-story building 412x590 feet, and to cost \$600,000. The contract has not yet been awarded. The architects are Postle & Mahler of the Marquette building.

The general contract for the erection of the larger buildings for the new Great Lakes Naval Training School has been awarded to the Noel Construction Company of Baltimore, Md. There are ten buildings, which will cost about \$1,500,000. The work is to be under the supervision of Captain Ross. Bids for the erection of the remaining buildings will soon be taken. The architect in charge of the work is Jarvis Hunt, Monadnock block, Chicago.

Charles Gall, who represents the North Carolina Granite Corporation, has sold the granite for an Egyptian mausoleum to be erected in one of the cemeteries at Kansas City, Mo. The mausoleum will require about 2,500 cubic feet of granite. The roof will be furnished in one stone 18'x13'6"x2'. It weighs about forty tons. The value of the job when complete will be \$25,000.

Welch & Mitchell, whose shop is located at Mt. Greenwood, Ill., have been working for some time on the memorial on Campbell's Island, near Moline, Ill., and expected to have it completed for dedication on Decoration day, but met with an accident which will delay completion three or four months. The cap was being set in place and was hoisted to a height of forty-eight feet when the rope which was attached to the derrick broke. The stone, which was a piece of Mt. Airy granite 6'x6'x2', was hurled against the monument, but without damaging it, and fell several feet from the base, breaking in such a way that it cannot be used. The monument is being erected by the Daughters of the American Revolution in commemoration of the battle fought between the Sac Indians and the white settlers. The monument will be fifty feet high and eighteen feet wide at the base. The work was to have been finished last fall, but delays prevented its completion.

Frank X. Gosselin, manager of the Minnesota Granite Company, with Chicago office at 611 Baltimore building, states that at one of the quarries owned by his company they are turning out considerable monumental stock. They expect to erect a mill in Minneapolis and equip it with a complete set of machinery for turning out high-class work. Several prominent retail dealers are interested in the company.

The Standard Paving Company is at present at work paving Halsted St. from Archer Ave. to Thirty-ninth St., with granite paving blocks. This is one of the largest jobs of granite paving that has been let this year. The 28,000 yards of blocks needed are furnished by the Milwaukee Monument Company's quarry at Lohrville, Wis.

The Chicago Union Traction Company has placed an order with the Milwaukee Monument Company for 50,000 yards of granite blocks to be delivered at the rate of 10,000 a month. The extensive improvements they will make on the streets will require this number.

The Chicago City Railway Company has issued specifications for 30,000 yards of granite blocks as they plan to improve the streets their tracks are laid on. This order will probably be divided among several producers of blocks, as there are but few that can handle it. The specifications ask for the number that each bidder can deliver.

The Montello Granite Company has moved its Chicago office from the Teutonic building to the Chamber of Commerce.

James K. Sebree will erect a hotel at 110 Madison St. It is to be sixteen stories in height, 67'x190' and to cost \$1,000,000. Architects Postle & Mahler of the Marquette building, are preparing the plans.

George Mitchell, granite dealer in the First National Bank building, reports that he has the contract for the granite on several postoffices to be constructed in small towns in this vicinity.

E. S. Hunter will erect at the corner of Market and Madison Sts. a mercantile building. It is to be ten stories in height 62'x100' and cost about \$250,000. The architect in charge of the work is C. A. Eckstorm of the Tacoma building.

Charles E. Fenn & Co., wholesale granite dealers, report that business with them is good—ahead of last year. Their country trade has increased considerably in the past few months.

J. L. Kesner, manager of The Fair, who has been building several large buildings in Chicago lately, will erect at 373 Fifth Ave. a building for mercantile purposes. It is to be an eight-story structure 100'x102' and to cost about \$150,000. It is to be constructed of stone and brick.

Holabird & Roche, architects of the Monadnock block, are preparing plans for a large hotel to be constructed at the northwest corner of La Salle and Madison Sts. It is to be the finest in Chicago when completed and to cost in the neighborhood of \$2,500,000. It is to be twenty-five stories in height and to contain 1,150 rooms. The first five stories of the exterior will be of granite and above that will be brick. The entire structure is to be of noncombustible materials and from an architectural standpoint it will be one of the handsomest in this city. It will have three basements, and considering this it will be the tallest building in Chicago. The names of the owners have not been made known, but G. H. Gazley, for many years manager of the St. Regis Hotel in New York and previously with the Waldorf-Astoria, is to be in charge of it. Mr. Gazley has been in Chicago some time and previous to the death of Otto Young had been planning with him a hostelry on Michigan Ave. which was to have been the greatest in the world.

THE PACIFIC COAST.

SAN FRANCISCO, May 29.—Construction work is proceeding reasonably well, although the strike of the street car employees, which has lasted two weeks without signs of any early settlement, bids fair to be one of the bitterest conflicts in the history of San Francisco. About one hundred cars are in operation by Farley's strikebreakers from the East, and the 100,000 members of labor unions in the city are using every possible means to intimidate persons who desire to ride in the cars. The strike of the local telephone operators which has been on since May 1 is still unsettled, and the service is poor as a result of its being undertaken by an inadequate force.

The building trades are at work as usual, and it is hoped that there will be wise management on the part of the leaders so as to prevent a general tie-up of construction.

The only dependence of the public during the past week was to ride in express wagons and pay 25 cents fare. This week, through the efforts of the carmen's union, several 10-cent 'buses have been started for the convenience of those whose incomes will not justify the payment of carriage hire.

While \$60,000,000 has been invested in the rebuilding of the city, and the building permits have exceeded \$60,000,000 per month for the past six months or more, the situation is critical and the rebuilding of the city and its industrial life are threatened by the existing conditions.

The rehabilitation of the \$6,000,000 City Hall is now a probability since Boss Ruef's efforts to dispose of the property and perpetrate a job in buying a new site and erecting a new building have been checked. The Hall of Records has been almost reconstructed and one wing of the City Hall is now occupied by a city official's office.

A tremendous amount of street repairing is urgently needed, but the money available is very limited. Market street from Fourth street and the ferries is to be paved with asphalt, although it is argued that basalt blocks are necessary, if the street is to last long under the heavy teaming that it is subjected to. A salt water system of fire protection costing \$5,000,000 has been planned, including several pumping stations on the water front and a large reservoir on one of the high hills back of the city. But few new stone buildings are in course of construction, although a good deal of reconstruction of stone work on buildings which passed through the fire is under way. The sandstone facing of the 18-story Claus Spreckels Building has been completed and several of the lower floors of the building are occupied by the "Daily Call."

Slow progress is being made on replacing the stone veneering of the 11-story Shreve Building on Post street. The Mutual Savings Bank Building had a lot of its stone work on the Geary street side replaced and now looks as good as new.

The Columbia Marble Company, which is still rushed with orders, has opened new city offices at 220 Hansford Building. The quarries at Columbia, Cal., have been worked to their full capacity of late and the stone yard in this city is busy filling orders.

The Vermont Marble Company's new plant at 244 Brannan street is working two shifts and has heavy inquiries for business. The plant is now complete with the exception of one of the rubbing beds. A part of the machinery for this has been delayed in transit.

Monumental business has been rushing, but some vexatious delays have occurred on goods ordered from the East for delivery before May 30.

H. A. Munson of San Francisco, who handles the product of a large marble quarry near Rutland, Vt., is at Portland, Ore.

The magnificent steel frame and granite bank building for the Bank of California is being erected with all possible dispatch on the northwest corner of California and Sansome streets. The massive steel frame with its heavy solid roof girders has been erected in record time, after a long job in completing the foundations under unfavorable weather conditions. The walls will be entirely of granite and the large interior, which will be principally one large banking room, will require a great quantity of marble for its finish. The deep basement, which is very commodious, will be utilized for massive vaults, storage, etc. The plans for this very handsome building of classical design were drawn by Bliss & Faville of this city.

John R. Sheehan & Co., who have taken a contract amounting to about \$185,000 to demolish and rebuild the damaged Hibernia bank, on the corner of Jones and McAllister streets, will use Maine granite en-

tirely for the outer walls and a lot of marble for the interior finish. At a little distance it is almost impossible to see any evidence of fire damage, but on close inspection a good deal of the white California granite around the windows can be seen to have spalled off. Temporary repairs were made after the fire and the banking rooms have been in use for a number of months. It seems almost a pity to take down such a handsome building, as much of the stone work is uninjured. This is true of the beautifully designed vestibule and pillars at the corner entrance. The new structure will be a replica of the former one with the exception of the kind of granite. The original plans by Albert Pissis will be used in erecting the new building. The work of demolition and reconstruction will probably take more than a year.

Work is in progress on the fourteen-story Class A building for the Metropolis Trust & Savings Bank on the southeast corner of New Montgomery and Market streets. The Thompson-Starrett Company has the construction contract. The estimated cost of the structure is \$600,000. The building, which will cover an area of 55x91½ feet, will be constructed of stone for the first three stories, with pressed brick for the upper stories. The masonry in the building was reduced by the architect, L. B. Dulton, to the merest skeleton in order to have ample window openings for offices.

The eight-story Parrott Building is being rebuilt, it having been leased at a good figure by the Emporium department store management. The sandstone front, which is still standing, passed through the fire with comparatively little damage and will be restored. The remainder of the immense steel frame structure was a total wreck. The great central dome which was a feature of the old building will be duplicated in the new one. The cost of construction will be \$1,000,000.

The strike of the sandstone cutters continues, and is seriously interfering with operations at the yards of the McGilvray Stone Company and the Colusa Sandstone Company in the southern part of the city. Fortunately for the building situation comparatively little sandstone has been specified for use in the new buildings started since the fire.

The Fairmont Hotel, occupying the block bounded by Mason, Powell, California and Sacramento streets, is in many respects the finest in the United States. The lower stories of the building are of carved granite. It was erected by H. E. Law and Harland Law and was almost completed when it was swept by the fire of April 18, 1906, necessitating the expenditure of an additional million dollars before it was ready for the opening on April 18, 1907.

That was one of the great events in the history of San Francisco. A thousand guests attended a banquet given by the Merchants' Association and celebrated the rapid progress in the rebuilding of the city within a year from the date of the disaster.

The Palace Hotel Company leased the Fairmont from the Law Brothers a few days after the opening and will make it their principal place of business while the new Palace is in course of construction on the old site, at a cost of \$3,750,000. The lease of the Fairmont is to run 10 years at an annual rental of \$105,000.

Some Fine Orders on Hand.

CLEVELAND, O., May 25.—Local conditions in the monument business are excellent, according to C. H. French of the Joseph Carabelli Monument Co., which is the largest concern of its kind in Cleveland. There has been a slight advance in cost of materials and a corresponding boost in selling price of finished products. There are no complications in the labor field, a condition which is encouraging.

The Carabelli Company is building a large granite mausoleum for W. H. Garlock, to be of Barre granite and to cost \$15,000. It will be located in Lakeview cemetery on Euclid avenue, Cleveland, and will be 18 by 20 feet in size and elaborately carved. It will be ready for dedication by the end of the summer.

The same concern has under preparation a large shaft, 10 feet at the base and 48 feet high, for the Kuebler estate of Sandusky. It will cost about \$6,000. A large two-piece granite monument, 6 by 11 feet in size, is being prepared for the Hogwood estate of Cleveland at a cost of \$6,000. It will be an exception in that it will be delicately carved with natural rose foliage. Another granite monument is being constructed for the Lowenstein, Hirscheimer and Strauss families at a cost of \$3,500. Its base will be 5 by 9 feet. A Corinthian shaft of Barre granite for Ferdinand Strauss will cost \$3,500. The concern also has in charge a large number of smaller orders which is keeping it rushed to capacity.

Granite.

BARRE DISTRICT.

BARRE, VT., May 21.—Business is still booming. There are plenty of orders for both rough and finished work and no scarcity of good granite cutters; in fact, the streets are full of men who want to work in Barre. But the old kick concerning car shortage is being registered in every quarter. All are hoping that the new cross state railroad recently chartered will be speedily pushed to a successful issue. A considerable amount of stock has already been subscribed and some of the most substantial men in this vicinity give assurance that the new road will be built within a short time. This will not only be a vast benefit to Barre, but it will also open great possibilities for Hardwick and Woodbury. It will be a direct line between Quebec and New York and will save eleven hours from the time it takes to make the trip at present. It will put Barre in direct communication with the Canadian Pacific railroad and the Delaware & Hudson. The line crosses Vermont from Newport through Hardwick, Montpelier, Moretown and Rutland, making almost an air line from Quebec to New York. When this road gets into operation Barre granite men will cease to employ standing committees whose duty is to make life as miserable for the officials of the Central Vermont railroad as the latter do for the granite men. Another thing that has caused delay this spring is the difficulty of getting stock owing to the tenacity of a most severe winter. Rock Products has had several inquiries from various retail dealers asking us to look up orders that have been placed with local firms since last winter. In every case we have found that it was no fault of the manufacturers that the order had not been shipped, but was due either to the car shortage or their inability to get rough stock.

The Barre granite trade had the pleasure this month of entertaining Patrick Hynes of Brooklyn, who came here to look after some of the business interests of his brother, John Hynes, the well known granite man of Brooklyn.

John Carey, a granite dealer of Zanesville, Ohio, is in town for a few days this month.

John A. Cross of the firm of Cross Bros. of Northfield has returned from their New York office, where he has been for several years, and will spend the summer in Northfield.

There was quite a controversy in the election of officers for the Granite Cutters' International Union held this week. Several candidates were nominated for the position of national secretary, which has been held for several years by James Duncanson of Quincy. The candidates were R. A. Brown of Concord, N. H., Isaac Dow of Blue Hills, Me., and John McCalvey of Philadelphia. The opposition to Duncanson was strong, but the vote was so split up among the other three candidates that Duncanson was reelected for the next four years.

Harry J. Bertolli of Montpelier has just finished setting up at Bennington a monument to the memory of the late William Lloyd Garrison, the famous abolitionist, who started his career as a newspaper man in Bennington. Mr. Bertolli cut the monument. He has not yet completed arrangements with the railroad about building a side track to his proposed new shed, but he has secured an option on an up-to-date cutting plant which he will purchase in a few days if the railroad fails to comply with his demands in the matter of a side track at the new shed.

E. C. Glysson sent to Wilmington, O., this month a splendid spire monument. The spire was three feet square at the base and was 36 feet high.

Everybody was glad to see the genial Kentucky gentleman from Lexington this month. Ross Adams is always welcome to Barre manufacturers and quarry owners.

Sam Oldham of Frankford, Pa., has been in town this month.

Irving C. Ellis, treasurer of the E. B. Ellis Granite Company of Northfield, and Miss Beryl Gilman of

Brattleboro were married at that place early in the month.

Frank E. Gladding of Barre has accepted the position of local representative for the well known wholesale granite dealer, George L. Mead of New York, and has opened offices in the Garden building, rooms 2 and 3. Mr. Gladding has had a great deal of experience as a granite cutter and is one of the most popular young men in town. He was formerly captain of Company E, V. N. G., and has shown marked business and executive ability. Rock Products wishes him success and is certain that he will attain the same.

The Commercial Club of Burlington, Vt., are laying plans to induce a big granite manufacturing concern (whose name they do not divulge) to erect a cutting plant in that city. Burlington's shipping facilities are the best in Vermont, a condition due to the fact that the town is located on Lake Champlain and on the Rutland and Central Vermont railroads. The idea is to have the rough granite shipped from the quarries in other parts of Vermont and finished in Burlington. An unconfirmed rumor is in circulation that the company to whom the overtures are being made is the Woodbury Granite Company at Hardwick and that the plan is to get the company to cut a part of the big Wisconsin job in Burlington. It has not been decided yet to just what extent the capacity of the cutting sheds at Bethel will be increased.

They are having a good deal of trouble in South



A BARRE MONUMENT RECENTLY CUT BY E. A. BUGBEE, BARRE, VT.

Ryegate, the principal factor of which is the Vermont court of law. The Vermont Gray Granite Company have been since last summer trying to get a road constructed to their quarry, but they met with objections from the owners of the Fraser quarry, over whose dumping ground the road was to be laid. The contract to build the road was let to Henry Goodline, who claimed to hold notes against the Fraser quarry, now owned by Miss Margaret Henchey. He took possession of the quarry and began building the road, but was soon stopped, as it was alleged the notes had been turned into a bank in Barre and that he had no right to take possession of the quarry. Meanwhile the Vermont Gray Company, expecting that the road would be built, purchased machinery and moved it to the quarry, where it has since rested. Men were set to work, but as there was no way of transporting the stock except by passing over the Fraser property the quarry had to be shut down and the litigation continued. A few weeks ago the Vermont Gray Granite Company, acting upon legal advice, quietly completed the road to their quarry unknown to parties interested in the Fraser property. Then they started things moving at the quarry and made preparations to relieve the de-

pression which has existed in South Ryegate all winter on account of shortage of stock. Everything looked good when, just as they were fairly started, they were served with an injunction restraining all parties from traveling over the road in question. The matter is now before the courts and will be watched with interest.

The Eclat Granite Company are very busy with some nice work. One of their jobs is a large monument cut from New Westerley granite from Milford, N. H. This is quite an unusual occurrence, for it is seldom that any stone other than Barre granite is cut in Barre. The Eclat Company have been having a good deal of trouble this spring in getting their orders for rough stock filled.

F. C. Eaton, the well known mirror photograph man, is getting out a book of original designs all in mirror photographs, which will be one of the best things of the kind that has ever reached the trade. He expects to have the first edition out within the next two weeks.

Eugene C. Glysson who, since the first of January, has been operating the Wells & Lanson cutting plant under a short time lease, has leased a portion of the plant of E. L. Smith & Co. and took possession this month. The new quarters are highly advantageous. There is plenty of office room as well as shed room, two polishing machines, a complete air plant and Mr. Glysson is about to install a new surfacer. Mr. Glysson takes with him into the new location Elliott Stoughton, who has been in his employ for a long time. Mr. Stoughton is a first-class office man and was formerly Barre manager for Cook & Watkins. Mr. Glysson started in business for himself eleven years ago and has always been successful as a granite man. Two years ago he accepted the position of general manager of the Wells, Lawson & Co. business, including their cutting plant and quarries. This was sold recently to different parties. Mr. Glysson has always had the respect of the entire trade on account of his integrity and his ability as an all around granite man who has the reputation of giving a square deal to everybody. He has a good lot of business to start on. Most of it is squared and polished work, of which he will make a specialty, although he is prepared to handle anything in the monumental line from a marker to a soldier's monument or a mausoleum.

The six granite blocks which are to be converted into sarcophagi to hold the remains of ex-President William McKinley and those of his wife have all been shipped from the new quarries in West Windsor, Vt., to Buffalo, N. Y., where they will be finished by workmen sent from the Asectney Mountain Granite Company. Later the completed work will be shipped to Canton, O., to be in place by October 1 next, when it is expected that the mausoleum, now in course of construction, will be completed. Geo. W. Maltby & Son of Buffalo have the contract for the building of the mausoleum and the price is in the vicinity of \$500,000. The stones for the sarcophagi are of green granite from Windsor and are probably the finest specimens ever taken from the famous green granite quarries on Asectney mountain. Two of the blocks weigh in the rough about 10 tons, two about eight tons and two of them six tons each. Not an ounce of explosive was used in getting out the blocks, each one having been channelled out separately. This has taken several months. The removal from the quarry on the west side of the mountain to the railroad station at Windsor, six miles distant, was attended with great difficulties. The contractor who had taken the job of getting the granite blocks to the station loaded one of the largest of the six on a strong reinforced double sled. To check the heavy load in the steep descents he placed hay on the road. As a further precaution he attached a strong rope to the rear of the sled and put on four horses. The 17-ton load was then "snubbed" down the mountain side for a short distance, when the rope broke and the block of granite and sled went over a steep embankment, landing one hundred feet below. The sled was smashed but the stone was uninjured. The harnesses broke and left the horses safe. This contractor quit the job and after three weeks another one took it up and finally got the blocks loaded on the cars. Asectney mountain contains the only green granite, so far as known, in the United States. Since the quarries were opened several years ago this granite has been shipped all over the world for building purposes. When finished and polished it is a beautiful dark green in color and is very popular for its contrasting effects with lighter shades of granite and marble. The mausoleum is being built of two shades of Milford, Mass., granite. H. Van Buren McGonigle, the architect, received the commission for the entire work. The sarcophagi will

resemble that of Napoleon in the Pantheon at Paris, but without the figures and wings upon the top. There will be two receptacles 8 feet 10 inches long, 4 feet 4 inches wide and 2 feet 6½ inches thick, with a small stone between. The whole will be surmounted by two capstones each 1 foot 2¾ inches thick, cut and polished according to the designs by Mr. McGonigle. The base of the sarcophagi will be of block Pleasant River granite.

The granite quarrying firm of Littlejohn & Milne has been dissolved by mutual consent, Alexander Milne buying out the interest of W. S. Littlejohn and continuing the business alone. This change was caused by the fact that Mr. Littlejohn is connected with the cutting firm of Littlejohn, Odgers & Milne and found it necessary to devote all his time to this business.

The recent Vermont legislature enacted a law which compels all corporations doing business in the state to pay their employees weekly, this law to go into effect June 1. This brings a very peculiar situation to Barre and a conference has just been held between a committee from the manufacturers and one from the granite cutters to discuss the situation. There is no question about the validity of the law in ordinary cases, but in the Barre case there was already a signed agreement with the union that they should be paid bi-monthly whether the employer is a corporation or otherwise. Now there are about a dozen firms in Barre and Montpelier that are corporations and corporations are commanded by law to pay weekly. The corporations are confronted with the problem of following the law and paying weekly or holding to the general agreement which expires next March and continuing to pay twice a month. The manufacturers supported by high legal authority claim that the new law could not abrogate the agreement already existing and bound to exist up to a certain time. There seems to be a friendly disposition over the matter and there is little doubt but that it will be amicably adjusted before the end of the first seven days in June. Complications may arise if there is any disagreement.

The C. R. Scott Granite Company expects to be doing business in their new plant about the middle of June.

Among the large blocks of granite quarried in Barre this month was one at the quarry of A. E. Bruce & Sons. The block was moved 25 feet from the side of the quarry. It measures 32 feet long,

23 feet wide and 18 feet high. By tape line measurements there are 13,248 cubic feet of granite in the piece.

F. J. Robar of Montpelier reports business good, especially in regard to orders for monuments by people who live in the vicinity of Montpelier. He will have practically all his Decoration day work out on time.

Dillon & Haley of Montpelier have a lot of ordinary work under the hammer. They have, besides, one of the finest monuments cut here this spring. It is a \$1,500 monument and goes to parties in Illinois. The bottom base is 9' 6" x 6", and it stands 16' 9" high. There are two bases, the second one moulded. The die is moulded and has raised letters with carved rosettes on each side of the name. The second die has a carved wreath on the front and the top is cut in the form of a cross. Around this are four fluted Ionic columns. These with the cross support a plinth, which is heavily moulded. Above this is a heavily moulded apex cap with deeply sunk panels on the front and back. The design is an artistic one and full justice will be done to it by Dillon & Haley.

R. C. Bowers of Montpelier, who was chief engineer on the trip to Quebec last year when Barre granite men had their annual outing, says they all want to go again this year. He thinks there is a strong probability that the trip will be repeated in June or July. It is also likely that those who remained at home last year may be found on the Heights of Quebec with the bunch this time.

The Ryle & McCormick Company of Montpelier are highly pleased with the present situation. There has never been a time when they got their spring work off so promptly as they did this year. Everything has been shipped except a few small jobs and they will be sent inside of contract time. Ryle & McCormick are running fifty granite cutters now. They are particularly fortunate in that they have had no railroad troubles all winter, either in getting stock from the quarries or in making shipments from the plant. During the past four years the average annual output of this company has been about \$90,000, and the prospects now are that they will considerably exceed that amount this year. Most of this work is hammered, although they have quite a large amount of polished jobs on hand at present. They have probably turned out as high a class of monuments as any firm in the business, but

they also do a large amount of small work. Their equipment is as good as any in the business and is thoroughly up-to-date. They are now duplicating a beautiful column die and spire monument cut by them last year, and this one goes to the same dealer.

The Globe Granite Company of Montpelier are shipping the big monument mentioned last month and next week will ship a splendid column die job to Charlestown, Ill. The bottom base is 6' 2" square. The second base is carved on the four corners and lettered front and back. The die has four polished panels and four carved and polished columns. The plinth is moulded, as is the cap, which is also polished and has a large letter C carved in the gable. This is surmounted by a draped urn 4 ft. high and 2 ft. in diameter through the bowl. The monument stands 16 ft. 4 in. high. The order was received March 7 and will be shipped before Decoration day. This is pretty quick work considering the size of the job and the class of workmanship represented.

Sweeney Bros. of Montpelier report good prospects for summer work. Their greatest trouble this spring has been in getting rough stock.

Doucette Bros. have their Decoration day orders all shipped with the exception of a few that were unavoidably delayed, but which will be out by next week. Doucette Bros. have had the busiest spring in their history. They are now running two gangs of men and expect to increase this number after the first of June. This speaks pretty well for the amount of summer orders that are already in. They have just shipped a nice monument to New Haven, Conn. The bottom base is 5' 6" square. There are two bases, a square die moulded and a moulded cap running to an apex. They are shipping a spire job to Hartford, Conn. The base is 5 ft. 2 in. There are three bases, a die and spire, all hammered except the die, which is polished. One of the most artistic jobs they have on hand is a rustic cross cut to resemble a log. There is a large amount of carving on it, including a scroll for the inscription, a branch and fern. This goes to Pennsylvania. They are also cutting a design similar to the Harrison monument which goes to Aurora, Ill. It is beautifully carved and on the base of the die are four short columns with sunk panels between them. These columns are heavily carved. There is a band around the die near the top. Doucette Bros. have shipped a lot of work during the past year to New England, New Jersey, Pennsylvania and Missouri points.

The Wetmore & Morse Granite Company, whose main office is in Montpelier, have had, through no fault of theirs, a run of hard luck at their quarries. Owing to a trestle wall breaking out under the railroad track so that it became unsafe to run the trains into their quarry, they have been shut down nearly all of the month. They are rushing repair work, but in the meantime have arranged a system with their big electric hoist so that they can convey the stone to the cars and they are now running full blast again. Last Sunday (to make up lost time) they loaded fifteen cars and shipped thirteen full cars in one day. They have two big spires now ready to ship. One of these is 3 ft. square and 35 ft. long; the other is 3 ft. square and 33 ft. long.

The Greason-Beckett Company of Williamstown have five large monuments, one big vault and a large amount of small stuff now under way. They are much pleased with the influx of orders for summer work.



MONUMENT RECENTLY CUT BY MOULD & DAVIS, MORRISVILLE, VT.

Granite men in Hardwick and St. Johnsbury, Waterbury and Morrisville are considerably stirred up over a recent announcement by the Central Vermont and Wells River railroads that, beginning June 1, the freight rates on rough stock from Barre to those points will be advanced from two to seven cents per hundred pounds. The granite men in the towns referred to cut a large amount of Barre granite for retail dealers in the west. Hardwick manufacturers have become so much interested that they have laid the matter before their local board of trade, who will take the matter up with the railroads.

A most miraculous escape from a horrible death took place at the Barre quarries this week. Joseph Poland, an employee, was at Jones Bros.' quarry, engaged in putting a staple in the door of the powder house, a new lot of explosives having just been stored there. The staple had been taken hot from the forge and it set fire to the door where it had been driven in. Poland doesn't remember what happened after that. It is supposed, however, that the small blaze was communicated to some loose grains of powder and from these to the powder kegs. At any rate there was a terrific explosion of eight kegs of powder and one box of dynamite and the powder house went to heaven. The only things that were in the vicinity of the powder house that have been seen since are Poland, a small piece of wrapping paper from the dynamite box and the granite rocks. Poland was found to be absolutely without injury except that his hair was singed, and he was so scared that he will never do it again. That none of the quarry equipment was injured is due to a Barre disease called "wisdom," which induces quarry managers to place their powder houses far enough away so that when employees indulge in premature Fourth of July celebrations the entertainment will be confined to an exclusive neighborhood.

Gindici Bros. are busy this month and have a lot of orders for summer work, but there is nothing out of the ordinary on their books just now.

Charles Bianchi & Sons are cutting two nice statue jobs and three large, though plain, axed monuments, the bottom bases of which are each 12 ft. square.

The Excelsior Granite Company have just installed a new Oldham surface cutter, which greatly increases their capacity for getting out work. They are shipping an attractive monument to Piqua, Ohio. The die is carved with a festoon on the front and around the die are four carved columns cut separate to fit on the corners. The frieze is a particularly beautiful piece of work, being carved with roses. The bottom base is 6'5"x6'10". There are four bases. The die is 4'10" high and above this is the frieze already referred to, a cap carved with dentals and a final partly carved.

E. Abbiatti & Bros. have just got out an extensive set of original air-brush designs that are unusually attractive and bound to be great sellers. They have already mailed some to their customers and would be pleased to send them to any reliable dealer on request. The writer can vouch for their being worth attention.

Rizzi Bros. are cutting their usual run of high class work in artistic carving. One noteworthy job that they have on hand has a bottom base 6'x3'6". There are two bases. The die is all hammered with the figure of an angel carved in high relief. It stands 9 ft. high. This company is cutting a number of attractive local jobs, to be ornamented with carving in scrolls and palms. They shipped this month one big monument in which were four carloads of stone.

J. O. Bilodeau of East Barre is doing a rushing business this spring. He has just put in a new Sullivan air compressor and a Classey surfacing machine. Mr. Bilodeau has a special advantage at his plant in that he has abundant water power, which greatly decreases the cost of production. He also has an up-to-date plant in every way. He makes a specialty of ordinary sized polished and hammered work.

Hall & Desilets of East Barre have sold their quarry to a new company known as the George Straiton Quarry Company. This company is composed of Geo. Straiton, John W. McDonald, D. W. McDonald and F. L. Place. The quarry is one of the best of the younger quarries and has a splendid local reputation. The new company will put in an entire new equipment and will boom the property. At present they are renting air from the A. C. Blanchard quarry, where there is a large compressor, but the new company intend to install a compressor of their own later. They will also put up new derricks and other necessary machinery.

The D. B. L. Granite Company of East Barre have a good lot of orders for the summer and are running the full force of men at their up-to-date cutting plant. They have a splendid water power and

dynamo, where they make their own electric power. They have a large straight shed built about four years ago and this is equipped with an electric traveling crane, an Ingersoll-Rand compressor, two polishing machines and all the other modern appliances. Albert Desilets of this firm was one of the owners of the quarry recently sold to the George Straiton Quarry Company.

J. J. Sullivan of East Barre always has a nice lot of round work in hand and this month is no exception. Mr. Sullivan's water power is one of the best and his shed is equipped for doing all kinds of work. This fact, together with Mr. Sullivan's ability and knowledge of the business, have made the proposition a successful one. Mr. Sullivan erected a new building recently and within a few days will install a new polishing machine. He says the prospects for summer work are very good, but that he will be able to take care of anything that comes along.

Edward E. Ruete, representing the Sprague Electric Company of New York, was in town this week introducing their famous armored hose to the granite men. He placed the local agency for the company with W. G. Reynolds of Barre.

One of the finest monuments ever erected in Barre has just been completed and set in Elmwood cemetery on the family lot of Dr. J. Henry Jackson. The monument was cut by E. A. Bugbee. It is 7 feet square at the base, stands 12 feet 8 inches high and weighs 12 tons. The two bases are rock sides with fine axed washes, and on these stands a pedestal and cross in bold rock finished work, with a guardian angel in full relief standing in front of the cross. The right hand of the angel extends to the front and holds a small palm branch, nicely carved. Across the front and back of the second base in bold relief is cut the name "Dr. Jackson" in rustic letters raised on the rock face. The entire monument is a work of art and well illustrates what can be done with Barre granite in the hands of skilled workmen. The stock comes from the quarries of E. L. Smith & Co. and the manufacturer who erected it is E. A. Bugbee, formerly Bugbee & Alexander.

J. P. Corskie & Son are cutting a beautifully carved Celtic cross. The base is 5 feet 7 inches by 4 feet 9 inches and the monument stands 12 feet 6 inches high. One of the most artistic die monuments seen here in a long time is also under way at this shed. The carving is very elaborate but is distinguished by such exquisite taste that it constitutes a classic in architecture. The bottom base is 8 feet 4 inches by 5 feet 2 inches. The three bases are molded and carved. There are four pilasters at the corners of the die, carved in sections, and there is a large amount of carving in between.

QUINCY, MASS.

QUINCY, MASS., May 31.—The local granite trade has finished its yearly run of exceptional business prior to Memorial day and at this writing manufacturers are turning their attention to orders for summer and fall delivery. There is an abundance of these orders and coupled with Memorial Day trade, which was above the average, there is every probability of another record breaking year. Everything save freight facilities proceeded well for the holiday trade. The dire conditions are an old story now with local granite men. Yet they have to make the best of existing conditions.

Polishers' supply men found plaster scarce several weeks ago. Indeed, it looked as though that part of the granite business would be handicapped at the very start of the busy season. Supply men were equal to the occasion, however, and the polishers were amply supplied before the conditions assumed alarming proportions.

South Quincy manufacturers are certainly resourceful when it comes to solving the vexatious freight problem. The great New Haven railroad system has passed them the ice pitcher so often on the matter of better freight conditions at the Quincy Adams station that interested and long suffering manufacturers have to look elsewhere for shipping their finished product. After a load of rough granite from the quarries in West Quincy has been deposited in their yard, rather than have the dray return empty to the quarries they place a load of boxed stone thereon and unload it at the West Quincy freight yard, where conditions are a shade better than those prevailing at the Quincy Adams depot. By following this course not a few manufacturers have got their goods away hours or days ahead of the time it would take to unload at the cramped quarters in South Quincy. The writer would add that the same barren waste north of the Quincy Adams station shows no improvement, though for a year there have been promises of a model freight

terminus at this point. It is a safe bet, judging from the way affairs have been running for several years, that conditions a year hence will not show improvement in this locality.

The season has been an exceptionally good one for both the retail and wholesale manufacturer. The former has had his hands full to get monuments, large and small, erected in local cemeteries before Memorial day. Success has crowned his efforts. The backward weather has not interfered with local trade. There has been some rain but it had to be a down-pour to suspend operations upon a Memorial day order.

Hon. John Shaw, an honorary member of the local manufacturers' association, died suddenly on May 15. Mr. Shaw was an active member of the Home Market Club in Boston and when the Dingley tariff bill was being framed in Washington he saw to it that his fellow townsmen would receive ample protection in the bill. The deceased was 65 years of age and had been in failing health for a year. The local manufacturers' association was officially represented at his funeral.

James N. White & Sons have finished the soldiers' monument which will be erected at Webster, Mass. It is a pretentious affair, constructed from light Barre granite, and will be dedicated with appropriate ceremony July 4. The dedicatory services might have been held Memorial day had there not been delay upon the several bronze statues which will adorn the monument. Messrs. White are confident of arranging everything for the day of dedication.

Fred Barnicoat made a hurried business trip to Cincinnati during the first of the month.

A serious accident occurred in the Granite Railway Quarry this morning when Luigi Conclari had a load of grout fall on him. A boatload of grout was being hoisted to the bank when one of the chains broke, causing the load to drop and burying Conclari beneath. He was seriously injured, but will recover.

April was a good month for the shipment of rough and finished granite, as the following returns from the various depots will show: West Quincy, including the Quarry Railway, 6,660,998 pounds; Quincy Adams, 6,310,740 pounds. Total, 12,971,738 pounds.

Large Milwaukee Plant Busy.

The cutting shed of the Milwaukee Monument Company is a busy place these days. Otto Rathmann, the president of the company, always has a glad hand for visitors and that's the way he received the ROCK PRODUCTS man the other day. "We are installing much new machinery and expending a large amount of money to make our plant the largest and most complete cutting shed in the west," said Mr. Rathmann. "We have ordered another electric crane and have just received two Keller surfacers, which we purchased from the Chicago Pneumatic Tool Company. We will also put in a column cutter. These improvements, with our polishing facilities much improved, will allow us to double our capacity and then you will see more mahogany granite monuments than ever." The spalls from the cutting shed had accumulated to such an extent the company thought they would be put to considerable expense removing them, but Mr. Rathmann conceived the idea that they could be sold, so he made a deal with a paving firm who brought out a small crusher and after reducing the spalls to sizes for use hauled them away. Thus he turned what was a waste and expense into good, hard cash as a valuable asset.

BUSINESS CHANGES.

S. B. Giddens, of Jacksonville, Fla., has formed a company at Brunswick, Ga., to be known as the Standard Stone & Granite Works, for the purpose of establishing a stone and marble business.

Jesse E. Dresser will organize the Dresser Electric Granite Works, Charlotte, N. C., to establish a plant equipped with electric and compressed air machinery to manufacture granite monuments.

The Davis Monument & Construction Company, Hopkinsville, Ky., has been organized to continue an established enterprise. Plant will be enlarged and new equipment installed, including electric machine for cutting and lettering monuments. L. H. Davis, general manager, and W. H. Hester, assistant manager.

An amendment has been filed to the articles of incorporation of the Schrieker-Rodley Company, at Davenport, Iowa, changing the name to the Schrieker Marble & Granite Company.

The Missouri Red Granite Monument Company has been incorporated at St. Louis, Mo., for the purpose of doing a general quarrying and constructing business. George B. Jameson, Robert P. Schneider and John H. Brod, Jr., are the incorporators.

Marble

An Englishman in Sunny Italy.

LONDON, May 12.—Percy C. Webb sends the following interesting comments about a recent trip he made in the marble producing sections of the continent of Europe:

"I have just been visiting the ancient marble quarries of Siena, so famous for the magnificent yellow marble that they produce, and some of the reflections on my journey may perhaps not be without interest to your readers.

"It is strange that the average tourist in his journeys on the continent should stick so closely to the ordinary beaten track, and should so rarely step aside to other towns where he would not only escape the everlasting "Roshif" and "Poulet" of the hotel table d'hôte, but where he would also get a glimpse of the national life of the people, and enjoy the mediævalism of the past, almost untouched by the modernizing hand of today, and unspoiled by the intrusion of twentieth century art and architecture.

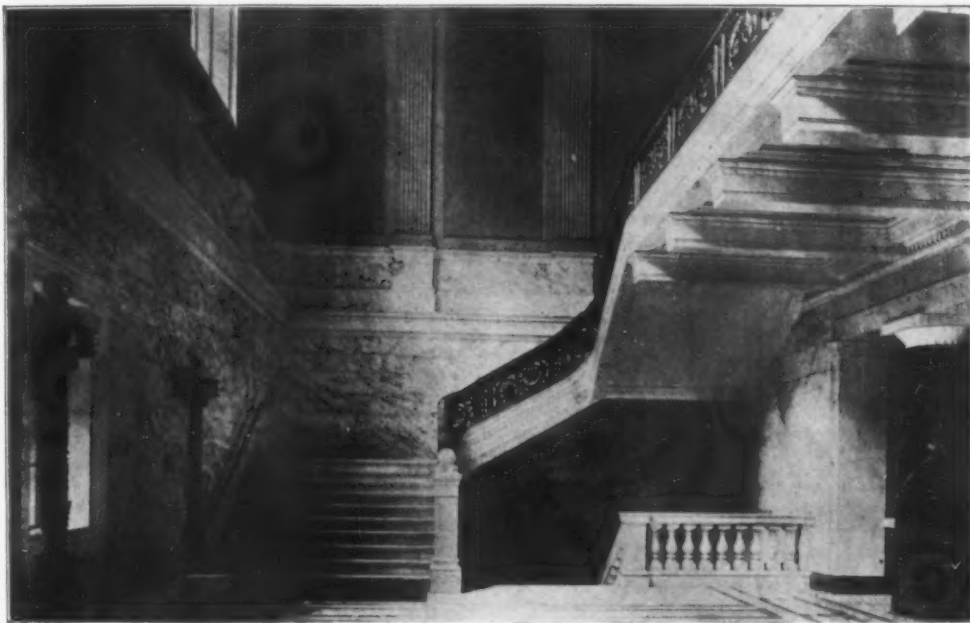
"Probably there is no country in Europe where the enterprise of the tourist, who has the courage to break away from the routine of the "conducted tour" will be so richly rewarded as in Italy. On every hill top is some ancient town or village, in many cases dominated by feudal castle or ruined fortress; and amongst the lesser known, though still important towns in Italy, Siena stands out, at any rate, in my mind, as the most interesting and charming that I have yet had the privilege of visiting.

"About twenty years have elapsed since first I visited Siena, but in the interval no violent changes have taken place, indeed it is doubtful whether it has changed at all (except, perhaps, in the fact that its streets are lighted by electricity) during the past five hundred years, since the time when it was an independent republic, and had to fight for its existence against the forces of the Medici, and those of the more important sister republic of Florence.

"As one wanders through its narrow streets, under the curious archways, round the Piazza with the magnificent Palazzo della Signoria overshadowing it, and then away up to the Cathedral with its marvelous wealth of carving and architectural detail, one realizes, as perhaps, never before, that "there were giants in those days." No other city that I know is so entirely mediæval in its atmosphere; the hand of the builder seems to have been arrested for the past half-a-millennium, and the hand of the restorer is unknown. One would not feel surprised at any moment if a troop of armed knights were to ride into the Piazza, or if one came across a large-battled and darkly cloaked figure in some obscure doorway, waiting for the victim into whom the ready-knife was to be plunged. What visions of the past are evoked! What plots and assassinations those streets have seen, and what stories of martyrdoms, sieges and knightly tourneys could those stones of the Piazza relate had they but the power of speech! And in their days Savonarola and Dante, Giotto and Michael Angelo walked those streets, and gazed upon these very stones.

"There is no street in Siena where three carts could pass abreast, and this although there is not a pavement or footpath anywhere. When vehicles do pass they occupy the whole space from house to house.

"But not only for its antiquarian interest does the city claim attention. Verily may be said of it that it is "beautiful for situation." Poised on the crown of a commanding hill, it is surrounded by a more or less undulating plain which stretches away for some twenty or thirty miles in each direction. This is walled in with circling hills, which in their turn are bulwarked with mountains which rise in some places to fairly considerable heights. The views are extensive and wondrously beautiful, and one is constantly passing some ruined castle or dismantled fortification. One of the most interesting of these is Monte Regione, a flat topped hill entirely surrounded by a massive wall, still apparently in excellent preservation, and in parts richly mantled with ivy. At frequent intervals tall towers rise out of the wall, but these have been shorn of their



INTERIOR VIEW AT THE NORTHERN TRUST COMPANY'S BUILDING, CHICAGO. MARBLE FURNISHED BY LAUTZ MARBLE COMPANY, BUFFALO, N. Y.

beauty—or, rather, of their original beauty, for they are probably more picturesque today in their ruin than ever they were in the days of their strength. The towers were dismantled by the Medici when the place surrendered to them in the sixteenth century.

"On driving back to the town after dark you encounter perhaps the strongest example of mediævalism to be met with in Europe—at dusk each night the gates of the city are closed and must be opened again for each person who desires to pass in or out.

"We had brought with us letters of introduction to a large land owner—a certain Marchese—who lives some twelve miles out from Siena, and on our arrival had telegraphed that we would visit him on the following morning if that would be convenient. The reply came that he would be "felicissimo" to receive us.

"Our carriage started at eight o'clock, and on our way from the city we met numbers of contadini tramping into market, the women carrying baskets of vegetables or farm produce; and a hearty, comfortable, well-to-do race of peasants they appear to be. The district is highly cultivated, the vine being the principal crop, for this is the center of the Chianti country, the fame of whose wines is such that wherever Italian red wine is sold, and of whatever origin, it is almost certain to bear the label of Chianti. Our way lay along the valley of the Rosia, a little stream which, placid enough in some places, at others dashed wildly over rocks and boulders in a series of small but beautiful cascades. About half way out we were met by a gig whose occupant, having enquired as to our identity and being satisfied on the point, stated that the Marquis was waiting us at a certain turning of the road. And here we found him, a fine, sturdy specimen of a man, in a suit of brown velvet, and looking more like a hearty English squire than one's usual idea of the Italian gentleman. We exchanged cards, and our letters of introduction being handed over, we received the warmest of welcomes. We left the carriage and joined him in a large waggonette drawn by a beautiful pair of silver gray oxen, whose horns were about three feet in length. He referred to the equipage as his "carozza cornuta," as who should say, his "horned team." He explained that he had met us there in order that we might reach the house by a short cut, up the mountain side, over which no horse or carriage could pass, but along which the patient-eyed oxen with their calm, leisurely stride carried us without an effort; and by which we should arrive at the house in half an hour, instead of the two hours which the winding carriage road would have required.

"Arrived at the house the warmth of the welcome which we had received from our host was renewed by his wife and family, and after lunch we were shown over a part of the estate in which the owner takes a deep interest, undertaking the whole management of it himself.

"Returning to Siena the city appeared bathed in the brilliant and wondrous colors of the Italian sunset, the Cathedral Campanile standing out against the sky, a landmark for all the country round, and reflecting in a thousand shades the purple and gold of the setting sun.

"Florence is in many respects a sister city, but it has been modernized to an extent undreamt of in Siena, and to our mind it has lost the atmosphere of mediævalism which is here so great a charm. In many aspects of its life—its large hotels, its fine shops where "English spoken here" strikes you at every turn—Florence is an anomaly, the old garment with the piece of new cloth, and no one who would fairly realize to some extent the life and thought of the Middle Ages should omit Siena when planning the itinerary of his journey."

Busy Season Opening Up.

CLEVELAND, O., May 25.—Conditions in the marble markets in Ohio are very brisk at present, quite a number of big jobs being under way. In Cleveland there are two big contracts pending and in Columbus another calls for the expenditure of several hundred thousand dollars.

In Cleveland during the coming month the contract will probably be let for the marble and mosaic work for the new bank building for the First National. The contract for the new courthouse, involving half a million, is also to be let soon.

"The conditions in the marble business are very good at present," declared E. L. Winslow of the Norcross Marble Company, the biggest Cleveland concern. "Prices are a little stiffer than they have been and everybody has had about all they can do. In all branches things are lively. We are experiencing an increase of over 100 per cent over last year in the sale of our stone laundry tubs alone, which is encouraging."

The Vermont Marble Company's Cleveland branch has been snugly settled in its new quarters for a short time.

Marble Dealers Hold Meeting in Pittsburg.

The semi-annual meeting of the National Association of Marble Dealers was held this forenoon at the Hotel Schenley, when 40 of the principal dealers of the country were represented and 25 of the largest firms had principals present.

W. H. Evans of Baltimore is the president; J. F. Jacoby, Philadelphia, treasurer, and Fred P. Bagaley, Cleveland, Ohio, secretary. It was explained that the meeting was simply of a routine nature, when the firms present discussed matters affecting the trade.

In the afternoon the members made an inspection of the Italian marbles in the Carnegie Institute foyer and other parts of the building.

The Des Moines Marble Company of Des Moines, Iowa, has been awarded the contract to furnish the marble wainscoting and all the tile flooring in the new building of the Brotherhood of American Women.

Eastern capital under the title of the Colorado-Yule Marble Company was recently formed for the purpose to develop the white marble at Marble, Gunnison county, Colorado.

Monuments.

Retail Monument Dealers to Meet in August.

The first annual convention of the National Retail Monument Dealers' Association will be held in Chicago the latter part of August. The month is fixed by the constitution, but the exact dates have not been decided by the executive committee. It is quite probable, however, that the meeting will be held the last week in August and continue for three days.

President T. M. Avery wishes to announce that the executive committee will take action on the suggestions that have been submitted for the program. He will be glad to hear from all members of the association and from dealers generally who are interested in promoting the welfare and progress of the trade at large.

State vice presidents are urged to communicate with dealers in their respective states who have not already become members of the association.

An attractive program will be provided for the convention and the discussion of subjects of vital interest to the trade will form its chief feature.

Indiana Dealers to Meet.

The Lafayette Granite Company, Lafayette, Ind., has taken the initiative in the matter of forming an association of granite and marble dealers in that state. A meeting will be held in Indianapolis on July 10 and 11 if assurances are received from a sufficient number of dealers that they will co-operate in the movement. Indiana has several active members of the National Retail Monument Dealers' Association who will undoubtedly make the most of this opportunity to get the best dealers in the state enlisted in the state association.

Meeting of Wisconsin Dealers.

The next semi-annual meeting of the Wisconsin Retail Granite and Marble Dealers' Association will be held in the early part of August at Appleton, Wis. Preparations for the entertainment and program of the meeting to be held are now being made and in our next issue we will report a full program of the meeting. President Anton M. Lohr of Milwaukee, Wis., in conversation with a representative of Rock PRODUCTS, said that the association had accomplished many good things. Many difficulties and unpleasantities which arise have been satisfactorily adjusted through the efforts of the association.

Appleton is said to be one of the most picturesque spots in Wisconsin. It is located on the beautiful Fox River, whose sparkling waters furnish much of the power for the town and rests on the slopes of the hills. Within a short distance is the magnificent Lake Winnebago, where the first summer meeting was held. Appleton is the seat of a large college and center of many important business enterprises. The hotels afford ample accommodations for the entertainment and comfort of the guests and it is hoped that every dealer will take advantage of the opportunity to attend this summer's meeting.

The committee appointed in Milwaukee to submit a design for a badge of the association has been at work and Edw. Lohr made a design which will be submitted at the next meeting. The name of the association is on the outer circle. The middle has three figures, two men joining hands in front of the figure of a woman which represents the state of Wisconsin. In the background are two monuments symbolic of the trade.

Mr. Lohr is an enthusiastic association worker, though he is a busy man. He is making strong efforts to increase the membership and will never be satisfied until he has every dealer in the state a member. "The benefits to be derived from joining our association cannot be measured in dollars and cents," said Mr. Lohr. "Membership in an association is progression. It is like the introduction and use of pneumatic tools. Monuments were cut for years and years before pneumatic tools were introduced. Now every progressive dealer has a

complete plant, not because the work cannot be done by hand, but because it can be done much better by tools. So it is with associations. We could get along without them, but can get along much better with them."

Public Vault at Omaha.

OMAHA, NEB., May 17.—Eugene F. Rutherford writes: "I recently finished 84 niches in the Public Vault at Forest Cemetery for cinerary urns, each 1'6"x1'0"x1'2". It was built of white Georgia marble and cost \$600. I also have the contract to build a monumental iron fence at the entrance to the cemetery, to cost \$5,000. The seven Barre granite posts are 11 feet high and 3 feet square at the base. The granite came from the Mould & Davis quarry at Morrisville, Vt."

High-Grade Monuments Shipped.

AMERICUS, GA., May 9.—Word comes from Clark's Monumental Works as follows:

"The writer has just returned from an extended trip to Florida, where we have shipped several carloads of finished monuments. The most important contract was that of the Westcott estate, which we erected at Tallahassee, Fla., over the grave of the late Judge James Westcott, father and mother. This monument was a very massive piece of work of the sarcophagus style, consisting of four pieces of hammer dress and polished granite, the monument weighing about 65,000 pounds. Heavy granite slabs were placed over each grave and a very heavy hammer dressed coping and posts enclose the lot. The contract price for the work was about \$8,000. A traction engine was used for drawing the pieces of granite from the station to the cemetery. Mr. Clark superintended the work personally, and the work was very satisfactory to the purchaser."

"Mr. Clark has also finished the Wisconsin State monument at Andersonville, Ga., at a contract price of \$12,000, and the work has been accepted by the commission and pronounced to be highly satisfactory in every respect. When people hunt the cheapest thing they usually go to other shops whose 'long suit' in making a sale is to impress their customer how cheap they can sell, and when the work is erected their customer often understands why they can sell so cheap by the kind of goods they deliver. Our motto is not how cheap but how good, and by adhering to this rule we have built up a trade that stands by us and recommends our goods over the 'cheap man.'"

Good Trade This Year.

CHARLESTON, S. C., May 19.—E. T. Vielt, manager of the Vielt Marble & Granite Works, writes as follows: "Our marble and granite trade is very good this year. We have added to our business a concrete block building plant, which has already proved itself a valuable adjunct, as from the start the demand has been greater than the supply, although we have been increasing our facilities and enlarging our plant as rapidly as possible."

Prompt Delivery of Orders.

MANSFIELD, O., May 13.—Word from the Ohio Granite Works is to the effect that early in the spring the company stocked up with several loads of rough stock, and therefore are now able to make shipments "of first-class material and workmanship in an incredibly short time."

Well Stocked and Busy.

BEDFORD, IA., May 13.—C. L. Van Nostrand, manager of the Iowa and Missouri Granite and Marble Company, says: "Business is excellent, and as we stocked up heavily last winter we will be able to meet all demands. Enclosed find view of retail shop and yard. The second monument to the left of the door walk is of Blue Pearl (North Carolina) die, with cap and base from Winston, S. C. The stock makes the finest combination that we have got together. We handle Blue Pearl, Oklahoma Red, Winston Blue, Missouri Red and Minnesota Red, besides a large amount of Barre."

P. H. Harns Dead.

P. W. Harns, president of the West Bend Marble and Granite Works, at West Bend, Wis., died April 15. The deceased was a man of great activity, and developed the various branches of his business until it has become one of the largest in the state.

Business is Unusually Good.

MANSFIELD, O., May 10.—Alex Fraser & Co. tells us that "business is unusually good with them this year, and that it has been materially increased by the addition to their force of several traveling men."

Large Work on Hand.

The J. S. Clark Company, Louisville, Ky., recently completed a handsome sarcophagus of classic design in memory of Dr. Charles M. Taylor, of Winchester, Ky. The base is ten feet by five, and the memorial is one of the largest and finest in that section of the state. It attracted much attention locally and was favorably noticed by the local press. This firm has just finished some fine work in Cave Hill Cemetery, Louisville, ranging in price from \$1,500 to \$2,000 and up, besides much smaller work. They have under way at present a beautiful cross fourteen feet high for the Hoyt estate, also to be erected in Cave Hill, an elaborate sarcophagus for Hon. Robert Boyd, of London, Ky., and another for Prof. W. W. Borden, of Borden, Ind., which is about the same size. Their work covers a large section of the South, and they have now under way two fine memorials in West View Cemetery, Atlanta, Ga.

Erecting Soldiers' Monument.

F. Rossner & Son, Fond du Lac, Wis., are erecting the soldiers' monument in that town. It will consist of a shaft of dark Barre granite, surmounted by a statue of a soldier, and will be 16'10" high. Four large polished emblems will appear on the sides of the die. The bottom base will be 5'4" square, the die 2'6" square, and 4'8" high, and the statue six feet high.

Busy Times.

SCHENECTADY, N. Y., May 25.—The local yards and factory of the Flint Granite Company, as well as those at Albany, present a very busy appearance these days, a condition due to the great amount of work being done in preparation for Decoration day. The working force of the company has been greatly augmented so as to have all orders properly executed in due time. Several carloads of granite, which arrived a few days ago from the company's quarries in Vermont, are being fashioned into handsome monuments by a corps of skilled workmen, and many of these will be erected in local cemeteries within the next few days.

W. G. Robinson, the local manager of the Flint Granite Company, is receiving scores of orders every week for work to be completed this month, and unique and beautiful designs will adorn many family plots on Memorial day. Every order receives Mr. Robinson's personal attention and is made according to original designs.

Fine Classic Designs.

A notable example of monumental work this year is that of the McCall mausoleum just erected by the Flint Granite Company, of Albany, N. Y., at the St. Agnes cemetery, on the banks of the Hudson, midway between Albany and Troy.

In designing the sepulchre the architects, M. L. and H. G. Emery, of New York city, have employed a composite of old ideas in architecture, and at the same time introduced special features of their own. The general idea is that of the Corinthian style. At the front is the portico with four ornamental columns upholding the lintel upon which the front of the roof rests. The columns are round for half their length and fluted for the remainder. The capitals are elaborately designed and speak praise for the men who executed them. The acanthus leaves of Corinthian style combine to make the whole design effective. On the sides there are four pilasters corresponding in design to the front columns. The entire length of the mausoleum is thirty-seven feet and is relieved from the appearance of square and boxlike tombs by the use of an apse, which also produces a temple effect.

An idea of the massive construction may be gained from the statement that each of the two roof stones is a solid block of granite weighing thirty tons. These huge blocks or slabs were quarried in Newport, Vt., as was the remainder of the granite, of which the mausoleum is built. The stones were cut from the quarries and shipped to this cemetery, where they were finished to meet the ideas of the designer in the shops of the company. A year has been spent in completing this beautiful mausoleum, and it is estimated that it will cost at least \$40,000.

The Pennsylvania legislature has passed a bill providing \$10,000 for a monument to General Arthur St. Claire.

The residents of Brantford court, Baltimore, Md., are active in raising a fund of \$10,000 for a monument to Alexander Graham Bell, the inventor of the telephone.

Texas legislature has appropriated \$10,000 for the erection of a monument to Sam Houston.

Decoration Day Observed All Over the Nation

Monuments Erected to Great and Good Americans with Public Demonstration, while Humbler Memorials to Others Just as Well Beloved are Dedicated without Number.

If the erection of monuments expresses the gratitude of a nation, then the United States is a republic which cannot be charged with the traditional sin of republics—ingratitude. One of the youngest of nations, this country has almost as many public memorials to departed heroes and eminent citizens as any country on earth, and no nation is building as many as this American republic. From the Washington monument at the Capitol, the greatest memorial ever erected in honor of one man, to the modest shaft of granite or marble which marks the site of a historic spot in some obscure and now remote portion of the country the United States is a land of monuments.

To the patriotic soul perhaps the most pleasing feature of monument building is that those now being erected are not all to the memory and honor of some lately deceased hero or boss, but that many of them being put up in the dawn of the twentieth century commemorate the prowess and accomplishment of pioneer Americans who laid the foundations for the development of this mighty nation. For instance, funds are being collected to build a monument to mark the site of the battle between Gen. George Rogers Clark and the Indians at Spring Bay, Ill. Plans are being completed for the building of a \$25,000 memorial to mark the site of the victory of William Henry Harrison at the Tippecanoe Battle Ground, Ind. The Braddock Monumental Association is raising \$12,000 to buy the old Robinson burying ground at Braddock, Pa., that a suitable memorial may be erected on Braddock Field. Texas is to build a monument at Huntsville to Sam Houston, leader of her revolution.

Monuments in one sense are an expression of hero worship, and heroes are mostly made in war. In this country we do not confine our marble and granite adulation to soldiers and sailors, but the good and the great in every walk of life come in for recognition and appreciation. The eminent physician, the foremost inventor, the celebrated actor, the respected philanthropist, the beloved teacher, all are memorialized with equal emphasis, as well as those who gain distinction by the bitter arbitrament of strife. The monuments erected on the great battlefields of the Civil War by the states, both north and south, to mark the position of regiments and in memory of their embattled dead continue to multiply. Almost every village of the north has a shaft dedicated to the memory of those who gave their lives in the great struggle of the sixties. Cities and towns in the southern states are now building scores of such monuments, the delay not being caused by lack of patriotism but because of poverty. The statues of

Jefferson Davis and J. E. B. Stuart, recently unveiled at Richmond, Va., those being erected at New Orleans to Jefferson Davis and Gen. G. T. Beauregard, the prospective monument to General Hood in Baltimore and the monument to southern women of the Confederacy to be erected soon are notable contributions to monument building in the south. In September the McKinley memorial at Canton, O., will be dedicated by President Roosevelt. The monument to McKinley in Buffalo is one of remarkable beauty, and the unveiling of the monument of Gen. Henry W. Lawton in Indianapolis, Ind., where President Roosevelt delivered the memorial speech to this hero of the Philippines, is one of the list of similar memorials at the Hoosier capital. There seems to be a growing appreciation of the monument idea, probably suggested and developed by reason of the extensive expenditure upon the battlefields and public memorial reservations.

The wonderful prosperity in the south in recent years as well as in other parts of the country has given a great impetus to the monument building principle, which is inseparable from American generosity.

The annual recurrence of Decoration day calls forth the most artistic, the most sentimental, the noblest instincts of the people in the cities and towns of both the north and south. Monuments to heroes, philanthropists and men of eminence in every walk of life are dedicated, and the resting places of humbler loved ones are marked with appropriate memorial in everlasting stone.

Decoration day has come to be considered the day of all days for the monumental industry. Throughout the entire business year orders are placed and stipulations are made with reference to delivery in time for the celebration. On this great event of the monumental year, we congratulate the retailers and manufacturers that in every market of this land prosperous conditions have prevailed during the year just past. We append the reports that have come from our correspondents in various localities.

GREATER NEW YORK.

NEW YORK, June 1.—The weather man was kind to New Yorkers on Decoration day; the sun shone brightly and, although the air was crisp for the first time this season, overcoats were not a necessity. The usual number of parades and ceremonies attended the celebration of the day, while great numbers more in search of fun than ceremony flooded Coney Island (where the crowd was over 250,000), Golden City, "Happyland" and the many other summer amusement places, and those inclined to sport had racing, baseball, golfing and water competitions to choose from.

The parade of soldiers and sailors and the G. A. R. veterans was one of the most important features of the day. There were 16,000 men in line, representing thirty-seven Grand Army posts. Marching along Riverside drive, the entire column was reviewed by Gen. O. O. Howard and Gen. F. D. Grant. Following the parade memorial exercises were held in front of the Soldiers' and Sailors' monument, which was directly back of the reviewing stand. The address here was made by Gen. George B. Loud, and after "taps" had been blown and the exercises were over the big guns of the battleship Connecticut, anchored in North river, began the salute to the dead, twenty-one minute guns. One by one other American warships anchored here began booming forth the salutes, followed by the warships of Austria, Brazil, France and Italy, all anchored in the near vicinity, till there was one continual booming of guns. As each foreign ship boomed forth the salutes their own colors were lowered in salute, while the Stars and Stripes broke out at the main truck.

The annual exercises at General Grant's tomb were conducted under the auspices of U. S. Grant Post, No. 327, G. A. R., and here Gov. Curtis Guild, of Massachusetts, delivered the address to a crowd of over 3,000 persons. The crypt containing the bodies of General Grant and his wife was buried beneath floral offerings. At the head of the tomb was a large wreath of laurel and white lilies from President Roosevelt, and among the others was a large wreath of red roses from General Kuroki, of Japan, who lately visited New York.

The Dix Post, G. A. R., conducted services at the grave of Gen. John A. Dix in Trinity cemetery, Edwin E. Slosson delivering an address.

The parade in the Bronx was led by Borough President Haffen, and the exercises were conducted at McKinley Square, One Hundred and Sixty-ninth street and Boston road.

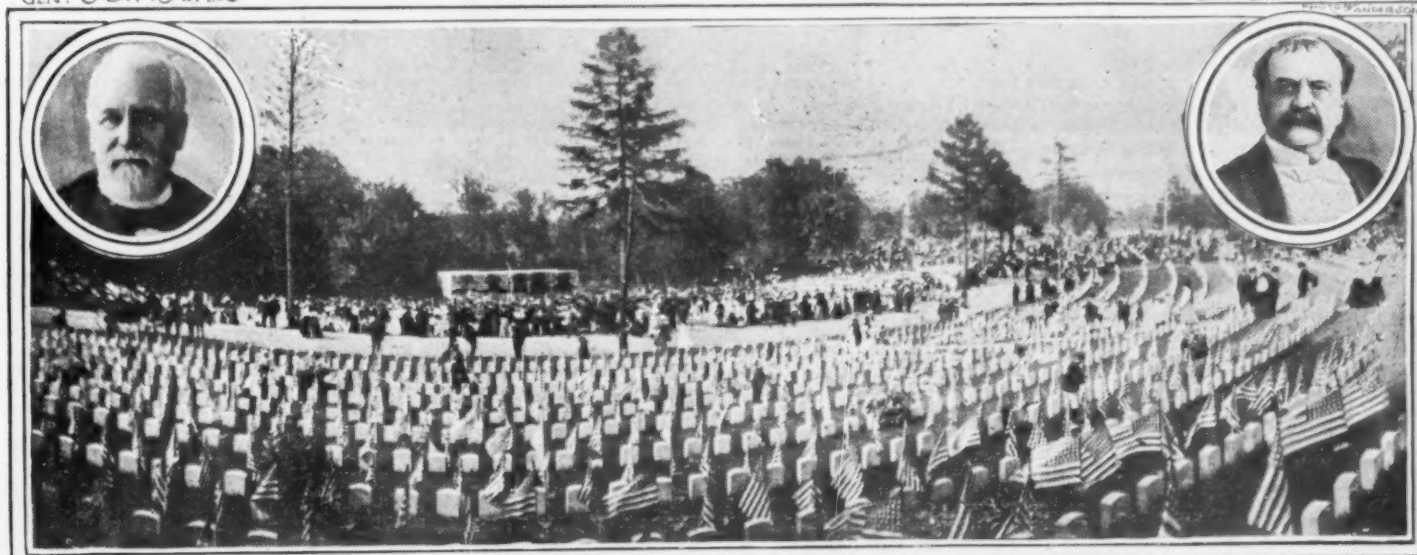
One of the most important features in the day's exercises was the unveiling of twelve new tablets in the Hall of Fame at New York University. Governor Hughes was the orator and addressed the large assemblage on "The Statesman and Warrior." The tablets unveiled were to John Paul Jones, Alexander Hamilton, Louis Agassiz, James Madison, John Quincy Adams, General Sherman, Horace Mann, Whittier, Lowell, and to three women, Emma Willard, Mary Lyon and Maria Mitchell.

Exercises were held at Cypress Hill cemetery and the picture on this page shows the decoration of the 6,000 graves by the members of the Grand Army posts of Kings county.

In Brooklyn over 8,000 participated in the Memorial day parade, which was reviewed by Rear-Admiral Joseph B. Coghlan. After passing through the Soldiers' and Sailors' Arch, the column broke and the veterans and others went direct to the cemeteries, where they decorated the graves.

GEN. O. O. HOWARD

GEN. DAN. SICKLES



GENERAL VIEW OF DECORATION SERVICES AND 6000 GRAVES AT CYPRESS HILLS

The day was observed in Jersey City by a parade of the Grand Army posts, civic societies, cadets and school children, after which the main exercises took place about the Soldiers' and Sailors' monument in front of the city hall. In an address to the assemblage Frank O. Cole suggested that a monument should be erected in front of the city hall to the memory of Gen. John Ramsey.

At Paterson, N. J., a heroic bronze statue of Alexander Hamilton, who founded that city, was unveiled. The statue stands near that of the late Vice President Garrett A. Hobart, and is the work of A. Martigny, of Rome, Italy.

Decoration day was observed in Newark, N. J., with a large parade, exercises at the Centenary Methodist Church and the decoration of the soldiers' graves.

RICHMOND, VA.

RICHMOND, VA., June 3.—With martial air and faltering steps the veterans of the confederate hosts today marched in what probably will be their last great review to pay homage to the memory of Jefferson Davis, the confederate president, at the unveiling of the statue of the dead leader.

For five minutes, just prior to 2 o'clock, traffic in Richmond, Norfolk, Charleston, S. C.; Savannah, Ga., and many other southern cities was stopped as a mark of respect to the president of the confederacy, offices and stores closed their doors, and practically the only moving thing in that time was the Davis ceremony.

Gen. Clement A. Evans was orator of the day. He began his address with praise for the women of the south—the Daughters of the Confederacy—through whose efforts the memorial fund was raised.

Taking up the history of Jefferson Davis, the speaker traced his lineage back to revolutionary times, when his ancestors bore arms in defense of the colonies.

Mayor McCarthy spoke briefly in behalf of the city of Richmond and as the artillery roared out a salute Mrs. J. A. Hays of Colorado Springs, daughter of Mr. Davis, gently pulled the cord that held the canvas shroud which covered the bronze statue. Her two sons caught the two cords used to complete the unveiling.

The monument to Jefferson Davis is the crowning feature of Richmond's great monument avenue. It is the combined work of E. V. Valentine and William C. Noland of Richmond. The memorial consists of a semi-circular colonnade, terminating at each end in a square pier, with a large column or shaft rising from the inclosed space. The semi-circle is about fifty feet across, with a depth of thirty feet, and stands sixty-seven feet in total height. The granite for this magnificent piece of work is the famous Winnsboro Blue and was furnished from the quarries of the Winnsboro Granite Company of Rion, S. C.

The monument typified the vindication of Mr. Davis and the cause of the confederacy for which he stood before the world, the leading inscription being "Deo vindice" (God will vindicate).

The confederate veterans' reunion ended with the unveiling of the Davis statue and hundreds of veterans left for their homes tonight.

GREATER BOSTON.

BOSTON, MASS., June 1.—In Greater Boston there were two notable monuments dedicated on Memorial day. At Winthrop, Mass., a soldiers' and sailors' monument was unveiled with fitting ceremony. The dedicatory ceremonies brought together most of the residents of the town. All of the patriotic and fraternal bodies were represented at the gathering. The dedicatory exercises were conducted by Commander Irving W. Campbell of the Winthrop War Veterans' Association. The monument was unveiled by Miss Annie E. McNaught. It is rich and simple in its construction, consisting of three bases, a die and cap surmounted by a granite statue of the soldier of '61 at parade rest position. The bases are of Milford granite and the remainder of the monument, including the statue, is of finely hammered Westerly granite. Henry Murray of Boston was the contractor and the entire job speaks well for this well known Boston firm.

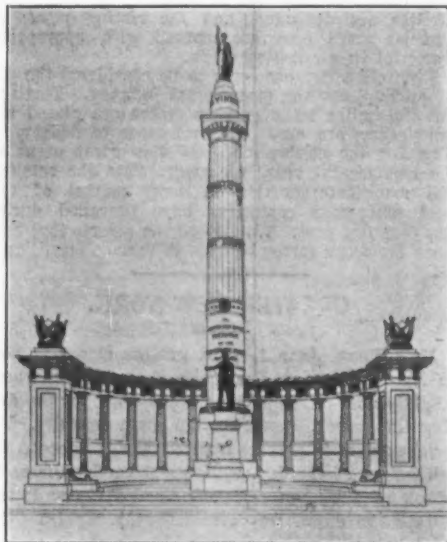
George E. McNeill, familiarly known as the "Father of the Eight Hour Day," and the leading factor in all important labor reform during the past fifty years, was fittingly honored on the morning of Memorial day when a monument to his memory was unveiled and dedicated in Forest Hills cemetery, Boston. Mayor John F. Fitzgerald, in a brief address, paid a tribute to Mr. McNeill. President

Gompers of the American Federation of Labor delivered the eulogy. James Duncan, first vice president of the A. F. L. also spoke. The monument, a tribute of organized labor, is a solid column polished and surmounted by a polished ball of Quincy granite, the whole being nine feet high. On a panel in the front of the die is the seal of organized labor. The work was cut by William Dougherty of Lynn, Mass. The granite, except the polished ball, which is a Quincy product, is of Westerly granite.

MEMPHIS AND THE SOUTHWEST.

MEMPHIS, TENN., June 1.—During the last fortnight a number of interesting events have taken place in the Southland in the way of the unveiling of monuments commemorating heroes and events in the south and nearly all of these included features that will be more or less of interest to the readers of ROCK PRODUCTS, not only as a matter of civic interest, but from the standpoint as well of workmanship and monumental progress.

In Atlanta, Ga., on the northwestern section of the capitol grounds, in the presence of thousands, an equestrian statue was unveiled to Georgia's great statesman and warrior, General John B. Gordon. Two daughters of the deceased chieftain assisted in the unveiling ceremonies. The statue stands 25 feet from base of pedestal to top of head and was built at an approximate cost of \$25,000. This fund was raised by the comrades of Gen. Gordon and his



JEFFERSON DAVIS MONUMENT UNVEILED.

friends all over the country and was furthered, too, by an appropriation of \$15,000 by the Georgia legislature. The pedestal is of Georgia granite and is a very handsome piece of work, being a single stone said to be the largest ever quarried in Georgia. Solon H. Borglum of Norwalk, Conn., was the sculptor. The statue was cast in copper bronze in Brooklyn, N. Y. A suggestive feature at the close of the exercises was that advanced by Gov. Terrill of Georgia, who thought it was time for Georgia to erect more monuments to her heroes on the capitol grounds. He thought there should be a monument on every corner of the capitol grounds. On the northwest corner there should be one erected, he urged, to that gallant Georgia leader, General James Longstreet, while on the southeast corner he suggested one to commemorate the valor of the private soldier. For the southwest corner he hoped that a monument would come in the not far distant future for Gen. Clement A. Evans.

At Nashville a statue has just been unveiled to the memory of Col. Jere Baxter, builder of the Tennessee Central Railroad—an important event in Tennessee and southern traffic development a few years ago. The line resulted in the Illinois Central and Southern systems entering Nashville. The sculptor of this statue, which stands in a prominent street park of Nashville, was Miss Belle Kinney, a talented young woman of Nashville. The work was done by a Chicago contractor. On the occasion of the unveiling, Gov. M. R. Patterson of Tennessee, Judge J. M. Pitts, the legal advisor of Col. Baxter during the latter's lifetime, and other prominent Tennesseans made speeches.

Decoration day was observed at the National Cemetery near Memphis, at Murfreesboro, Tenn., Nashville, Tenn., Vicksburg and other points in the south where are located national cemeteries. Confederate Decoration day exercises were observed in many cities and towns of the south also.

At Vicksburg, Miss., on May 24, in the presence of Gov. John A. Johnson and staff and with elaborate ceremonies, the Minnesota monument in the Vicksburg National Park was unveiled. It is a splendid obelisk of granite ashlar construction with the statue of an ideal of peace mounted upon an immense cubical die of granite.

Morris Bros. of Memphis expect to soon complete a memorial monument surmounted with a bronze bust to the late Capt. J. Harvey Mathes. It will be placed in Fort Park, Memphis. This work is being done under the auspices of the J. Harvey Mathes Chapter, U. D. C.

BUFFALO, N. Y.

BUFFALO, N. Y., May 30.—Some time ago it was decided that a feature of Decoration day in this city would probably be the unveiling of the beautiful monument erected on Niagara Square, Buffalo, in memory of the late President McKinley. On account of lack of appropriations and for other reasons, there was some delay in the completion of the work so that the original plans for today were set aside. Had these arrangements been carried out they would have been the feature of today's exercises.

Many new markers, slabs, and small shafts were dedicated in Forest Lawn and other cemeteries in this city and vicinity today.

William T. Cooper, a monument dealer of this city, placed twenty-seven of these shafts in local and nearby cemeteries.

Worden Bros. also placed a number of monuments, including a \$1,250 sarcophagus for Frank Weppner in the German and French cemetery at Pine Hill in this city. All these memorials figured prominently in the Decoration day ceremonies.

John Crawford & Son of Buffalo, located near the entrance of Forest Lawn cemetery, are concentrating their energies on the great mausoleum for the late Governor Higgins of New York state. The memorial will be dedicated in Olean, N. Y., at a later date. It was not ready for Decoration day. A few markers from this firm were placed today.

The widow of Daniel Bechtold, a well known monument dealer in this city, since his death a few months ago, has not been taking any new work, but is closing out the stock on hand. Some of her markers were placed today.

The Buffalo members of the Grand Army of the Republic had charge, as usual, of the work of decorating the graves and attending to the placing of the markers on the graves of the dead soldiers here. About fifty such markers were placed in the soldiers' plots in Forest Lawn cemetery, Buffalo, the stones coming from various local dealers.

A monument erected in memory of Albert Murray, a member of the Alert Hose Company of Kenmore, a suburb of Buffalo, was unveiled with appropriate exercises today. Mr. Murray died as the result of a sunstroke last August. The monument is of marble and has been erected in Burlington cemetery, near Kenmore.

In Penn Yan, N. Y., the corner stone for a soldiers' and sailors' monument was laid today. For several years a monument had been desired by the veterans and many of their friends and constant work brought about the fulfillment of their wishes. Several relics, as well as newspapers printed during the Civil War and containing accounts of battles participated in by Penn Yan and other soldiers, were placed under the corner stone. Contractor Charles Kelly built the foundation for the Penn Yan monument. Several other smaller memorials were unveiled in Buffalo and vicinity.

A monument was unveiled at Oakwood cemetery, Niagara Falls, N. Y., yesterday to the memory of H. T. Wilson, a former member of the Woodmen of the World. Ritualistic services were conducted by E. T. Lowry. Niagara Falls Woodmen, assisted by Buffalo and Forest camps of Buffalo, Camp Jubilee, Niagara Falls, Ont., Camp Clinton of Wilson, N. Y., and Camp Tonawanda, took part in the ceremony.

McDonnell & Sons report business with them as fair, although it has been rather slack for the past three or four months, a condition probably due to weather conditions. Local trade in Buffalo and vicinity has been exceptionally poor so far this year. They have had under way, however, during the winter months a large amount of heavy monumental and mausoleum work to be erected in various parts

Continued on page 38.



PUBLIC LIBRARY BUILDING, SPRINGFIELD, MO.

We are illustrating this month an artistic public library building erected in Springfield, Mo. The architects of this building were Patton and Miller of Chicago, Ill. The cut stone contractor in charge of the work was E. Geipel, of Chicago, Ill., and the stone was furnished from the famous Peerless quarry of W. McMillan & Sons whose sales offices are located in Chamber of Commerce, Chicago, and whose quarries and mills are at Bedford and Bloomington, Ind.

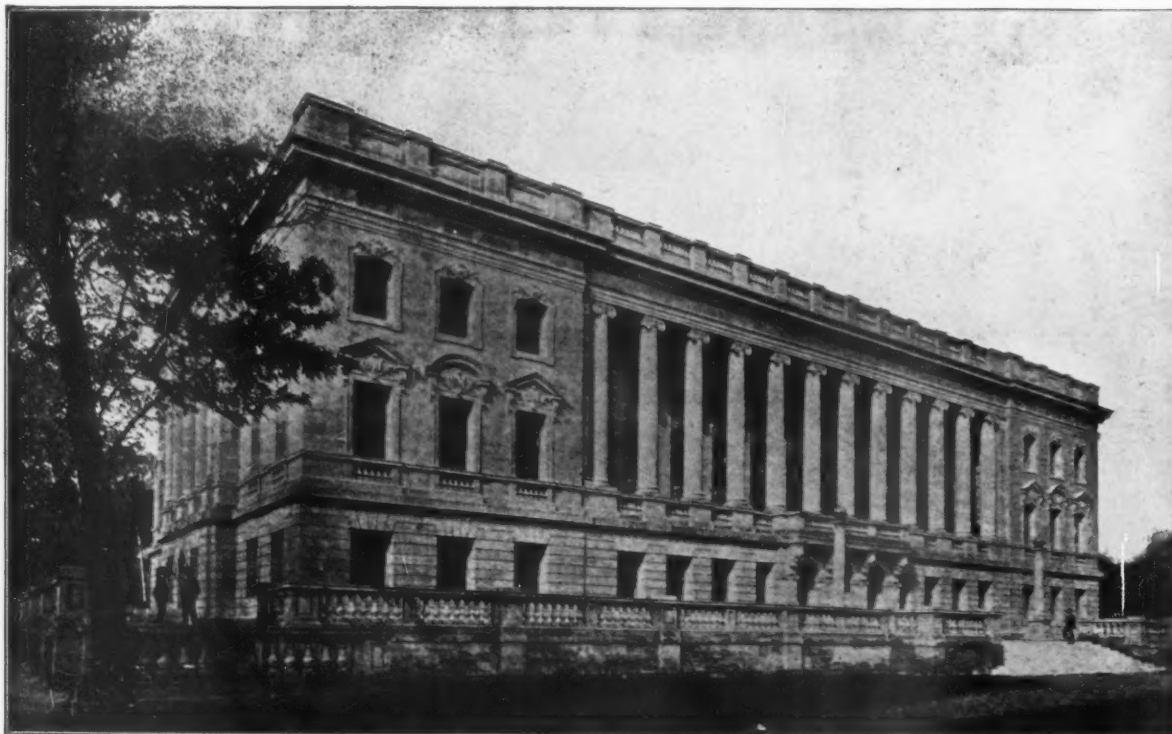
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THE BEDFORD QUARRIES CO.,

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HOOSIER QUARRY

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204 Dearborn Street.

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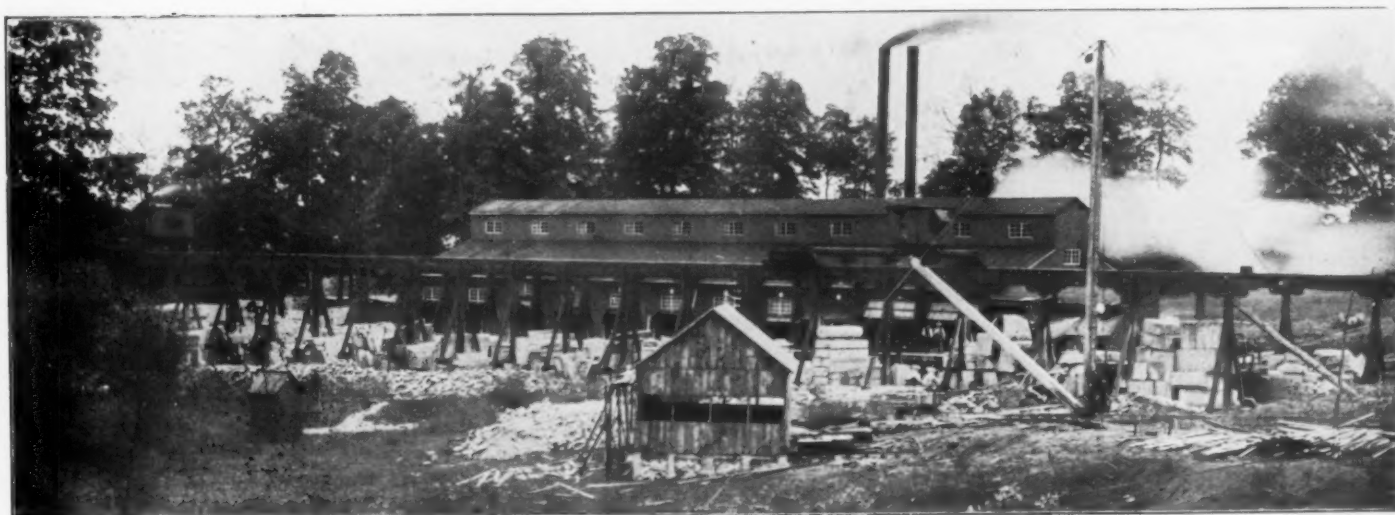
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Bedford Indiana Limestone
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The Furst Kerber Cut Stone Co.

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Works entirely enclosed, enabling us to work in all kinds of weather, Bedford, Ind.

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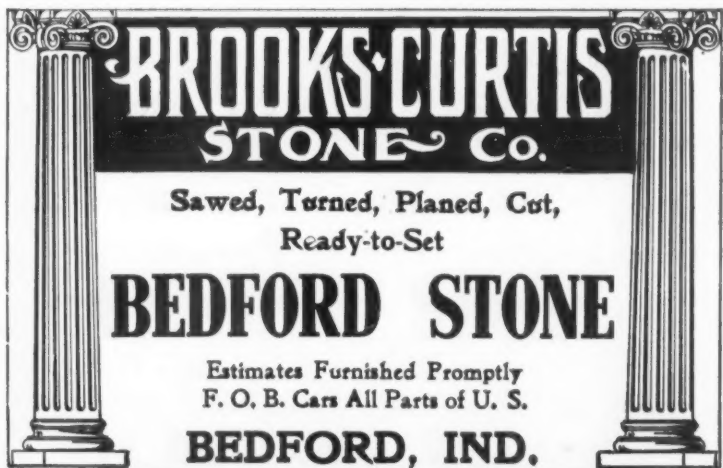
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IN THE WEST

The above Buildings were Erected from the
Buff Limestone of Our Quarries



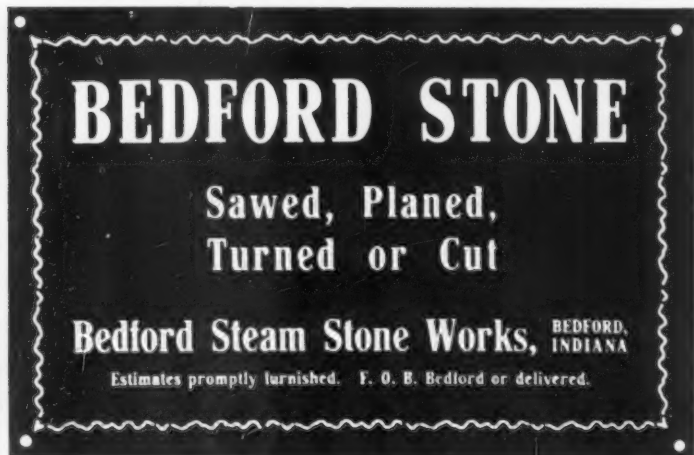
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STONE Co.

Sawed, Turned, Planed, Cut,
Ready-to-Set

BEDFORD STONE

Estimates Furnished Promptly
F. O. B. Cars All Parts of U. S.

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Bedford Steam Stone Works, BEDFORD, INDIANA

Estimates promptly furnished. F. O. B. Bedford or delivered.

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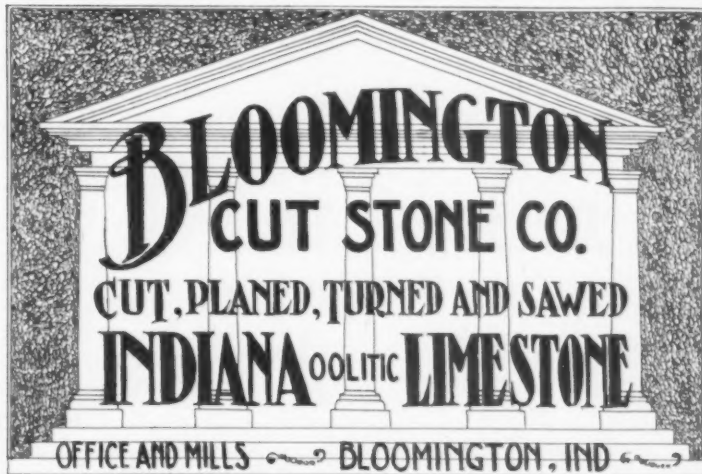
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City Hall, Kansas City, Mo.	Main Art Building, World's Fair, St. Louis, Mo.
	Exchange Building, Kansas City, Mo.

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PROMPT SHIPMENTS OF EITHER STOCK.

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QUARRYMEN AND MANUFACTURERS OF

Blocks, Sawed, Planed, Turned and Cut

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We can turn stone 24 feet long,
 Saw stone 17.6 feet long.

Estimates Furnished on Application.

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OPPORTUNITY

There is a story relative to the quarrying business that is as old as the first history that has come down to us from early ages. It is so shrouded in the mists of the past that in this age we can scarcely tell whether it is true or only a fable. It makes little difference for the lesson is in the allegory.

The celebrated cubical monolith of the temple of Baalbec was quarried at Joppa. Many masons had been sent by the ancient king to secure this special stone. There were many who tried to get a piece of stone of the required dimensions, for the prize was very high. After repeated efforts they all returned the dimensions as impossible to the master builder, and so the matter rested, although a very large stone had been all but separated and delivered to the quarry floor. None of the experts believed that it could be taken out and remain unbroken.

A mason of the least importance, who up to this time had not assayed even so much as to try, set up his tools, and with brief effort quarried the coveted stone. So he that was the least amongst his brethren, realized the opportunity and backed it up with his best efforts became the first of the quarrymen of that ancient time, and the stone that he quarried then has become a subject for the writers of all succeeding ages, and, as his name is forgotten we must call him "the quarryman who realized upon his opportunities."

This space represents an advertising opportunity for some of the quarrymen in the Oolitic district of Indiana, and it only awaits the little grain of faith to try.

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Quarrymen of High Grade Buff and Blue Oolitic Stone, Rough, Dimension and Sawed for Building and Monumental Purposes.

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Standard Power Hoists,
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Buff and Blue Stone

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Quarries.

INDIANA LIMESTONE

The Great Quarry District of Lawrence and Monroe Counties Getting Busy with a Rush After the Long Wait on Weather Conditions.

BEDFORD AND VICINITY.

BEDFORD, June 3.—The weather man has broken all records. Not since the oldest inhabitant can remember has there been such a backward spring. While the weather has not interfered with quarrying operations to any extent it has had a tendency to retard building operations and to dampen the ardor of the stone man. Conditions, generally speaking, are "looking up a bit," as one of the operators puts it. At that there is still a lot of building work that has never got beyond the blue print stage. If all the work had been let that was figured on this spring there would have been a different story. Even as it is the mills are not suffering from lack of work, although most of them could do more. The belief is general that the approach of summer weather will mean the end of the dull season, and that from such time on every quarry and mill in the district will have more than they can do.

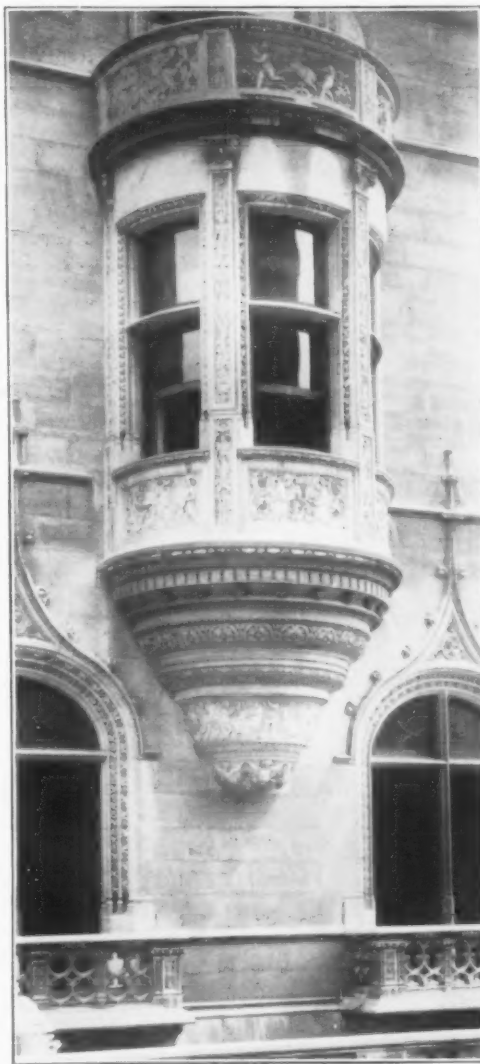
At the office of the Imperial Stone Company Ben S. Wykoff was found busy as usual. The mill with its six gangs was singing merrily and the channelers were eating their way through nature's stone floors. This quarry, known as the Old Blue Hole, is one of the oldest quarries in the district, and from it has been taken much of the stone that has helped to make Bedford famous. It might be mentioned incidentally that this quarry furnished the stone for the Cornelius Vanderbilt and W. K. Vanderbilt residences, both of which are remarkable examples of what can be accomplished in an artistic way with Bedford stone. The residence of Collis P. Huntington in New York City, the beautiful Robert Goelet home at Newport and many other magnificent residences in the east are also built of stone from these quarries. Among the large buildings might be mentioned the City Hall, Standard Club and Studebaker building, all of Chicago, and the Hamilton monument in Albany, N. Y. The stone now being taken from the quarry is of as fine a quality as ever. It is remarkable for its fineness of texture and lends itself admirably to delicate workmanship because of its smooth, even grain. It is next to impossible to tell which is the bed on this account. One large platform block, 15'x7'x3' 2", had just been loaded ready for shipment to Newark, N. J. Stone is also being got out for a contracting firm in Springfield, Mass., to be used in the erection of a postoffice, and several cars of cut stone are being shipped to New York City to complete the Warburg job. Orlando Morine is their New York agent.

Wm. Bradley & Son have secured the contract for the stone for the courthouse at Memphis, Tenn. It is estimated that this will take about 250 carloads of stone. This will keep their big mill running steadily for some time.

Among the big jobs recently secured by the Bedford Stone and Construction Company is the Odd Fellows' building, which will be 16 stories in height and will take about 30,000 feet of stone. This company is in the general contracting business as well as the stone business, and has the contract for the erection of the building in its entirety. They are getting out the stone for the Grand Opera House

and Live Stock building at Indianapolis, both of which are nearing completion. Michael Wallner says that he has no complaint to make, as the stone coming from the quarry is up to his expectations, and he has enough work on hand to keep his mill running steadily all the time. He recently added a 70-foot derrick to his already complete equipment at the quarry and will shortly add some more channelers. At the mill he is figuring on erecting a cutting shed and an electric traveler. He will purchase a diamond saw and other new machinery later. He has been shipping considerable sawed stone to New York. About forty cars were sent out during the past month.

George Dugan of the Dugan Cut Stone Company is at Pierre, S. D. Work on the state capitol at Frankfort is temporarily suspended, owing to a strike



DETAIL FROM VANDERBILT RESIDENCE IN NEW YORK, EXAMPLE OF FINE CARVING IN BEDFORD STONE.

at the granite quarries from which some of the columns for the dome are being cut. Mr. Dugan has almost completed his portion of the work and is ready to go ahead at any time.

The Henry Struble Cut Stone Company's mill has been running steadily. They are shipping the last seven or eight cars to complete the Bank of Toronto job at St. Catharines, Ont., and the remainder of the stone for the Y. M. C. A. building at Champaign, Ill., and the Elks' Club House at Watertown, S. D. E. G. Beiriger, the superintendent, says that he has been rushed for some time, as most of his orders have been hurry jobs. He recently installed a new Anderson diamond saw, 98 inches in diameter. It is one of the double saws and is operated by electricity.

The Indiana Cut Stone Company is busy as usual. It is shipping the last of the stone for the Union depot at Little Rock and has quite a number of smaller jobs. One of the recent contracts which they have secured is the courthouse at Tuscaloosa, Ala., which will take about 15,000 cubic feet of stone. There are four large columns 2 ft. 6 in. by 20 ft.

5 in. W. E. Spink is the architect for this building. Work will be commenced on this job next week.

John A. Rowe recently secured the contract to furnish about 10,000 feet of stone for the postoffice at Kingston, N. Y., and has just completed the Supreme Court building at Springfield, Ill., one of the handsomest buildings of Bedford stone that has been erected this year. He says that everything is going along nicely at the quarry. In the monumental line this has been a remarkably good season. The demand has been steady for vases and settees. About twenty-five Woodmen of the World jobs have recently been shipped to all parts of the country.

John R. Hughes of the Bedford Cut Stone Company is out of the city. Work is progressing nicely at the mill, although they have no orders of especial interest on hand. They recently completed a handsome memorial in the east, a photograph of which will be printed in a later issue.

The Furst-Kerber mill has been running steadily. This is one of the biggest mills in the district and always has plenty of work on hand.

E. L. Thornton of the Bedford Steam Stone Works says that his quarry and mill are busy as usual, although he has no big orders on hand. He is installing a Patch diamond saw, which arrived several days ago.

Robt. Reed of the Oolitic Stone Company says that the quarries and mills controlled by his company are "plugging along," which is just another way of saying that they are all busy. Mr. Reed says that he has no complaint to make, as his company is getting its share of the work. Ralph Reed of the same company is out of the city on a business trip.

Nat Joiner of the P. M. B. Stone Company has nothing new to relate. Both the quarries and mill are busy as usual.

The Brook-Curtis Stone Company are running their mill steadily, but have no especially large orders on hand at present. They have done considerable figuring and are getting their share of the business.

Harry Tell, sixty years old, was crushed to death at the Johnson stone mill at Sanders last Friday morning. A heavy block of stone fell on him, death resulting almost instantly.

Henry Maddox of Washington, D. C., is here securing bids for the Presbyterian church at Harrisburg, Va. The plans show it to be a very handsome structure. Mr. Maddox represents W. F. Killinger of the Lancaster Cut Stone Company of Lancaster, Pa. The stone work on the church must be set up by September 1 and there were only a few firms in the district who could bid on the job. The majority of them could not guarantee to get a job of this size out in such a short time, owing to the amount of work already on hand.

Chas. W. Bolin is the architect and John J. Dull the associate architect for the Harrisburg church. Their office is in the Witherspoon building in Philadelphia.

C. S. Norton of the C. S. Norton Blue Stone Company says that there is nothing new to relate. The quarry is turning out stone at a steady rate, but not fast enough to supply the eastern demand.



The Climax Stone Company is, as usual, one of the busiest mills in the district. They have plenty of work on hand to keep them busy for some time.

C. S. Norton has sold his interest in the following companies to Ralph Reed: Bedford-New York Quarries Company, Bedford Buff Stone Company, Indiana Cut Stone Company and the Norton-Reed Stone Company.



The Bedford Buff Stone Company at Peerless has one of the largest and best quarries in the district. It is one of the old quarries. The stone is a fine buff in color and is preferred by many stone men, as it is an easy stone to work and is remarkably even in texture. They have three ledges, two of which have recently been joined by making a new cut, which gives them a 150-foot face with a depth of 50 feet. The new ledge is 100 feet in length and has a depth of 40 feet. They are now down to the third floor and the stone being taken from the quarry is the best yet secured. The present equipment consists of eight channelers, four of them being Wardwells and four Ingersoll-Rands. Four giant derricks lift the immense block from these quarries. Three Ingersoll-Rand drills complete the quarry equipment.

The new mill built this past winter is up-to-date in every particular. Six gangs, four manufactured by the New Albany Manufacturing Company and two installed by the Bedford Foundry and Machine Company, are already in place. They are built on solid masonry and concrete foundations and are absolutely rigid. They are all extra widths and saw more stone than the old-fashioned gangs of the narrow pattern. A New Albany planer and an air drill in connection with the mill complete the equipment.

(Continued on page 35.)

Essential Considerations in Selecting Stone for Im- portant Structures.

WHEN the builder comes to the point of specifying the stone that is to be used in a large and expensive structure, there are only a few points to be decided, but these few are extremely important. Of course, the character of the stone is of the first consideration. The possibility of securing it in sufficient quantity and in constant supply is not, by any means, less essential, and should receive the same consideration as the selection of the stone for the characteristics which determine its adaptability for the specific structure on hand. Another significant point is the standing of the company into whose charge the contract for the stone is put. Many important industries have been criticized for attempting to do a larger volume of business than the capital invested would comfortably carry. This is a charge that can never be brought against the oölitic limestone district of Indiana, where there is ample capital provided for the operation of the quarries and the cutting sheds for producing stone for the largest building that was ever undertaken or is liable to be undertaken for any purpose anywhere. There is no watered stock to be taken care of in the Indiana stone district. The equipment of all the plants in this district is complete in every detail, and better yet, is all paid for. They have the stone, both buff and blue, in their quarries, and in practically limitless quantity.

All of the concerns, whose announcements appear in this oölitic limestone section, have equipments of their own. They are backed by capital sufficient to take care of any specification they may accept and contract to fulfil. This is a statement which is of particular interest to the architect and master builder, who needs the division contractor on large undertakings to take care of his part of the specification, for there are many quarry operations producing dimension stone that are cramped for lack of capital, both in the production and in the completion of their contract on stone specifications.

No such difficulty is encountered in the oölitic limestone district of Indiana. The Information Bureau of **ROCK PRODUCTS** will give fuller details to all architects and master builders in regard to their own specifications for the asking. Our direct representatives are acquainted with all of the quarries and cutting sheds in the district, and the men who operate them are our acquaintances and friends.

INDIANA LIMESTONE.

Continued from page 33.

They have a 76-foot derrick in the yard, but this will be replaced by an electric traveler in the near future. This mill has been running steadily fifteen hours a day ever since it went into commission, and they have plenty of work on hand to keep them busy for some time. W. McMillan & Son of Chicago control this plant. Lee Woolery, the secretary and general manager of the company, is located at the plant and has the active management. The plant is connected with the Monon railroad by a switch.

James Callan, the superintendent of Geo. Doyle & Co.'s mill at Bedford, says that they have been busy, as usual. Their quarry is located at Dark Hollow and is one of the oldest in the district, having been opened about twenty-eight years ago. Many of the famous buildings in the east and in other sections of the country have been erected out of this stone. They have a dark blue stone which is much prized on account of its rich color and even, fine texture. It is somewhat harder than the general run of Bedford stone and has several times been given the preference where an extra quality of stone was desired. They also have a light blue and a beautiful buff stone. This quarry was formerly known as the Hollowell Stone Company and nearly all of the output has been employed in the east. They operate seven channelers at the quarries, three of them being Sullivans and four Wardwells. The mill at Bedford is equipped with six Lincoln Iron Works gangs, three planers and a Scoville crane. Nearly all of their present output is going to New York City, where it is being used in several important jobs now in course of erection.

Geo. Doyle & Co. have recently secured the contract for furnishing the stone for the McAdoo tunnel terminal buildings, which will require about 100,000 feet of stone.

E. E. Dickinson of the Bedford Quarries Company says that the big quarries and mill at Oolitic are running steadily. They have had plenty of work on hand this spring and are at present shipping the stone for the City Investing building in New York, one of the most pretentious of the many large buildings now being erected in that city.

Work is progressing nicely at the quarry of the Bedford New York Quarries Company at Peerless. Four channelers are busily engaged and the third floor of the quarry has been reached, which means that some of the best stone yet secured is now being taken out. The property adjoins the Bedford Buff Stone Company and is regarded as one of the best in the district. The Oolitic Stone Company of Bedford controls this plant.

Through an unavoidable accident much the greater part of the news letter of the Indiana Oolitic District has been omitted.

Every quarry and mill in Monroe county is bending its energies and straining its large capacities to the utmost to take care of the fine volume of business which is being developed as fast as they can take it on. Look in ROCK PRODUCTS for July for the full details.

Vatican Garden Wall Crumbling.

NEW YORK, May 31.—A recent dispatch from Rome states that the wall of the quadrangular garden next to the Vatican Museum is crumbling. Recently a hundred feet of it fell and the Pope has been notified that the rest is likely to follow. The destruction of the wall would mean the destruction of the best type of a Renaissance garden now existing. It is understood that the Pope asked how much it would cost to restore the wall, but when told about \$25,000, the pontiff said, in view of the church's financial condition, he preferred to order the wall demolished and the garden destroyed.

The Abestine Stone Company of Portland, Me., has been incorporated under the laws of the state for \$10,000. The incorporators are H. P. Sweerser and L. L. Hight.

Herts & Tallant are to execute the plans for the new playhouse at the corner of Broadway and Forty-sixth street, New York, and which is to cost \$500,000. Klaw & Erlanger will be the lessees for the building.

New Quarry Opened.

HOT SPRINGS, ARK., May 31.—A new stone quarry has been opened near here by Frank Cumcock of the Twin City Bank of Little Rock, Ark. It is said that the rock is of the highest quality in the state.

New Company Formed.

ST. PAUL, MINN., June 1.—The Thompson Sandstone Quarry Company was incorporated under the laws of this state recently, by A. W. Thompson, F. R. Duxbury, W. R. Duxbury and C. O. Lindquist. The capital stock of the company is \$500,000. They will engage in the quarrying of stone for paving and building purposes.

Ready to Commence Quarrying.

SCRANTON, PA., May 29.—The Noy Aug Stone Company, whose quarry is near this place, has received all its machinery and will shortly be in a position to quarry stone. Its quarry is located on the line of the Erie Railroad so that it has excellent shipping facilities. The stone is of similar quality to that known as West Mountain, found in this section, and will be used both for building and road making purposes. The main offices of the company are in the Coal Exchange building of this city. John G. Duffy is the general manager.

Have Large Contract.

ROCKLAND, ME., June 1.—The work of quarrying the stone for the Museum of Fine Arts building in Boston, Mass., has commenced. The granite will be furnished by The Bodwell Granite Company, the Hurricane Isle Granite Company and Booth Bros. The building will be a \$300,000 structure.

Purchased Quarry Property.

HOQUIAM, WASH., May 28.—The City Council through Mayor McIntyre has purchased a tract of land near here which contains valuable stone land and will open a quarry.

Change of Name.

ALLENTOWN, PA., May 28.—W. T. Walker & Co. has changed the name and incorporated under the laws of the state. It is now known as the Walker Granite Company. It writes that it has purchased 366 acres of land in Pennsylvania containing an excellent quality of granite. H. J. Reinhard is the manager of the company.

New Company Formed.

MONTREAL, CAN., June 1.—The Laurentia Granite Company, Limited, was recently incorporated with a capital stock of \$200,000. The incorporators are: Robert B. Bickerdike, L. H. Heneaul, Jeremie Decarie, W. H. Evans and Joseph Brunet. The company has secured fifty acres of granite land previously owned and operated by Joseph Brunet.

Have Good Business.

GRANITE, OKLA., June 1.—The Apache Granite Company in writing to us states that it is having a splendid business and running its quarries full time. It is a producer of the famous Oklahoma Red Granite.

Wisconsin District Busy.

RED GRANITE, WIS., June 1.—This county (Wausara) has in the past few years taken a prominent place in the granite field and is now one of the largest in the western part of the United States. Approximately 1,200 men are employed and there is a demand for more. The texture of the stone quarried makes it particularly valuable for paving blocks and a ready market is found in both Chicago and Milwaukee. The quarries of the Milwaukee Monument Company are near here and its Mahogany granite is well known to the monument trade.

Recently Incorporated.

The Putnamville Quarries Company has been incorporated under the laws of Indiana with a capital stock of \$100,000. The directors of the company are D. E. Reagen, J. W. Thompson, G. L. Rood and John Murphy. They are located at Putnamville.

New York Visitor.

G. W. Patterson, of the Consolidated Granite Company of Winston-Salem, N. C., was a New York visitor during the past month. Mr. Patterson reports that the dealers in that section are very much pleased with the Blue Pearl and the N. C. Blue Westerly granite.

CARTHAGE STONE.

Wonderful Growth of the Industry and Steady Gain in Popularity.

CARTHAGE, MO., June 1.—The most striking feature in the rapid development of the stone industry in the west has been the constantly growing favor with which Carthage white limestone has been received.

Not only has the stone met all the expectations of architects and builders, but the public has expressed great appreciation of it as a building material, as is evidenced by the large number of representative buildings erected with Carthage stone.

It was somewhere in the neighborhood of 1879 or '80 that a company opened up a ledge of building stone on the Kendrick farm, in the north suburbs of Carthage. It was an experiment.

When this immense hill was gone into and the great ledge of stone was laid bare, the company discovered that they had unearthed a seemingly endless deposit of the finest building stone in the world.

The stone is here and nowhere else.

The quarrying must be done here, the product must be shipped from here. Carthage thus has something that no other district can duplicate, buy, trade, legislate away or seduce from her, and that is bound to be for years to come a popular article of trade and potent wealth producer to the district.

The Quarries Today.

Carthage quarries are, all but two, within a radius of one mile of the business center of the city.

For public and private buildings Carthage stone is taking precedence over all other, and architects and builders in all parts of the country are recommending it. Not only is it in demand for building material, but it is in demand for trimmings.

The merits of Carthage stone have been fully determined by its general use in large quantities in the finest residences and business and public edifices in St. Louis, Kansas City and other cities for the past fifteen years. It has also been largely used in bridge piers, turntable piers and beds and railroad construction, where, in all instances, it has withstood

Sprague Electric Company

MANUFACTURERS OF

FLEXIBLE STEEL ARMORED HOSE

For Steam or Compressed Air

One of the largest quarry companies writes: "In all our experience we never have seen the equal of this armored hose."

When a piece of hose is damaged in one or two places, don't throw it away; cut out the damaged part and unite the good pieces with our Splicing Clamp.

WRITE FOR COPY OF DESCRIPTIVE BULLETIN NO. 50541.

GENERAL OFFICES:

527-531 West 34th Street, New York

CHICAGO OFFICE: FISHER BUILDING

the action of the elements and the pressure and vibration of river and railroad service, and has at all times given entire satisfaction.

Although the product of the quarries is technically white limestone it has not the cold, repelling effect of a dead white, as there is a warmth of tint that is very pleasing to the eye. It is easily worked and looks well when carved, rubbed, polished or in rock face. In the latter form it is full of luster and life wherever it is fractured. Its imperviousness to dampness and its resistance to atmospheric changes make it a desirable building stone.

Carthage stone is not discolored by mortars or cements, nor does it in turn stain any other material with which it comes in contact. Like all other marbles it is characterized by having veins running through it, and, as it takes a fine polish and yields a rich color it is peculiarly adapted for monumental purposes.

Referring to the qualities of this limestone one well posted on the subject says: "Carthage limestone possesses the strength of granite (compressive strength on the bed 20,261 pounds, and on edge 16,551 pounds per square inch). Its texture is so close as to make the ratio of absorption amount to practically nothing. As a consequence Carthage limestone has been found to possess great weathering resistance. It also possesses a beautiful white appearance, enlivened by the crystallization, which in that respect places the product in a class with marble.

"Carthage limestone shows up beautifully in all classes of cut stone work, and retains indefinitely the clear outlines produced by the cutting tool. When used for steps in continuous use it will show no greater wear than the hardest granites, and will admit of no comparison in that respect with other limestones and marbles."

Increasing Demand.

The demand is becoming so great for this stone that even the plants in operation cannot supply the market without working over time, and as early as 1902 electric light plants were put in at the mills and they worked to their full capacity day and night in many instances.

The aggregate cost of buildings in which Carthage stone has been used has passed far beyond the \$3,000,000 line, and the industry is in its infancy. Every test to which it is put seems to bring out some new and unexpected quality of endurance or suitability, and it is growing steadily in popularity. Churches, colleges, court houses, state buildings; in fact, nearly every public building erected within the last ten years in Missouri, Arkansas, Texas, Oklahoma, Indian Territory, Kansas, Iowa, Illinois and Nebraska have used more or less Carthage stone in their construction.

The stone is sold from New York to Colorado and from Canada to the gulf.

Today there exist in Carthage a dozen or more residences in Carthage stone that would be remarkable for their architectural beauty, their elegance and costliness in any city in the country, and that offer specimens of what can be done in Carthage stone worthy of being copied anywhere.

In St. Louis, Kansas City, St. Joseph, Sedalia, Springfield, Joplin, Topeka, Little Rock, Wichita, Texarkana, Ft. Smith and elsewhere the most elegant public buildings and residences are constructed of this beautiful building material.

One of the most charming, as well as elegant country residences in the west, the manor house at Elfindale, the wonderful park farm of Mrs. Elymena O'Day, two miles from Springfield, Mo., is built of Carthage stone, with lodge, gateway and sunken garden, and hothouses, drive curbing and walks of the same material.



JASPER COUNTY COURT HOUSE, A FINE SAMPLE OF CARTHAGE LIMESTONE.

These are but samples. All over the west and gradually back to the east the fame of Carthage stone is spreading, and wherever it goes it is tried, tested and found the finest and most perfect building stone in the world.

The Metropolitan Life Insurance Company has loaned to the Thirty-fifth street and Fifth avenue Realty Company, of which Abraham Boehm is president, \$2,200,000 on the property at the southwest corner of Thirty-fifth street and Fifth avenue, on which an eleven-story office and loft building is being erected.

Plans have been filed for a two-story bank building to be erected by the Nineteenth Ward Bank at 152-154 East Thirty-fourth street at a cost of \$45,000. William Emerson, 281 Fifth avenue, is the architect.

Derrick Rope Calculations.

"We want a wire rope to hoist five tons. What size and kind of rope do you recommend?" This is an oft repeated inquiry, varied only by a difference in the weight to be lifted. It appears to be a reasonable question, but it cannot be answered satisfactorily without knowing how the wire rope is to be applied in raising the load, because that five tons may be hoisted as safely with a wire rope one-half inch diameter as with a wire rope of one-inch diameter of the same quality and construction. The demonstration is as follows:

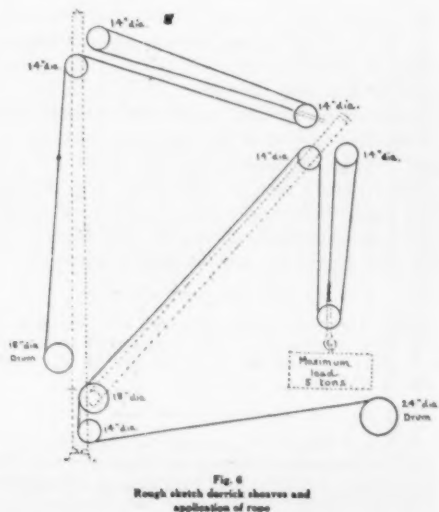
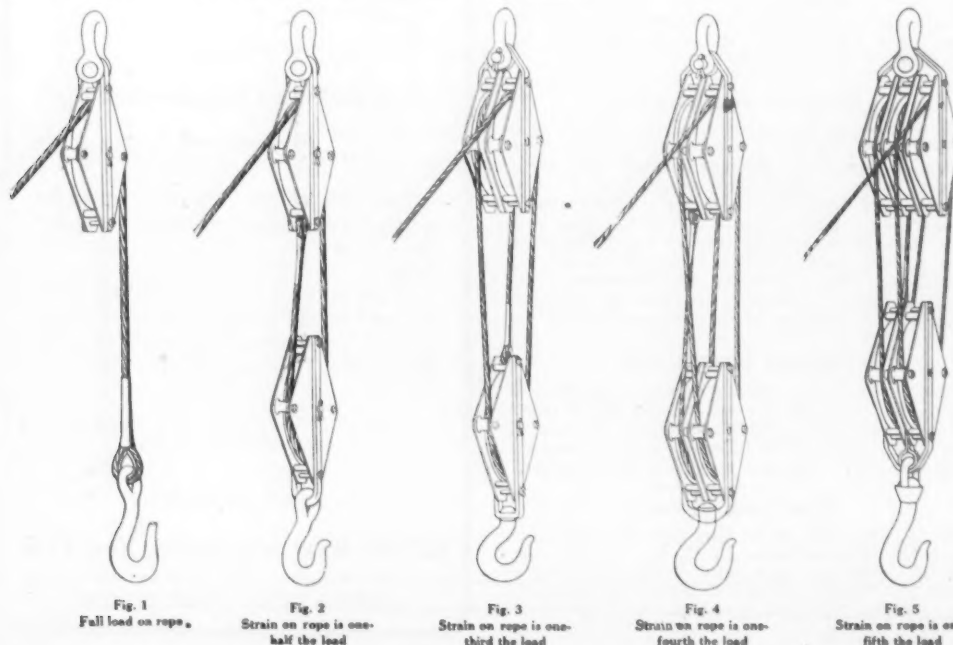
In the direct single line hoist, as shown by Fig. 1, with sheaves of good diameter, the working stress upon the rope equals the load hoisted—five tons. This requirement is met by our one-inch extra flexible plow steel hoisting rope, which has a breaking strength of twenty-seven tons; allowing a safety factor of five.

By using a triple block with a double block, as in Fig. 5, the five parts of the rope carry the load, so that the working stress upon each is only one ton. In this case, our one-half inch extra flexible plow steel hoisting rope, having a breaking strength of 6.6 tons, would be amply strong to handle the five-ton load, and allow a safety factor of over six.

The illustrations show that to ascertain the working stress of a derrick hoisting rope it is only necessary to divide the maximum load by the number of wire ropes carrying the hoisting hook and load. The working stress upon a wire rope is only one essential feature to consider.

For the benefit of wire rope purchasers we append a list of questions, answers to which will enable us to decide the size, quality and construction of American wire rope that will render the best service:

1. What is the diameter of hoisting drum?
2. Do ropes overwind on drum?
3. Diameter of sheaves in derrick and hoisting blocks.
4. What is the weight hoisted?
5. How many parts of wire rope carry the hoisting hook and weight hoisted?
6. Does the rope drag upon ground or wood, or rest on rollers between the derrick and hoisting drum?
7. What was the diameter, quality and construction of previous ropes (crucible or plow steel, 6 strands of 19 wires, or 8 strands of 19 wires)?
8. What is the length of wire rope?
9. Did wires in previous ropes wear down one-half of their diameter before breaking, or did the wires break before showing much wear?
10. Send us rough sketch showing how wire rope is applied, which should show the diameter and relative position of drum and sheaves and the application of the wire rope, as shown in illustration, Fig. 6.—*American Wire Rope News*.



Stone.

THE NATIONAL CUT STONE CONTRACTORS' ASSOCIATION.

MEETS SEMI-ANNUALLY.

Robert E. Harrsch, Chicago, Ill. President
P. B. Parker, New York City First Vice-President
George Dugan, Bedford, Ind. Second Vice-President
Henry Struble, Chicago, Ill. Secretary-Treasurer

OFFICIAL ORGAN: ROCK PRODUCTS.

A Busy Concern.

LOUISVILLE, KY., June 1.—In a recent communication the Peter & Burchard Stone Company says: "We have been running full time in both our cut stone and monument departments, have been exceedingly rushed in our interior marble branch and have been working overtime for the past two weeks; should the amount of work increase as it has in the past two weeks we will be obliged to run this department both night and day. We have just closed a large contract with the architects, Carpenter, Blair & Gold of New York, for the interior banking rooms of the First National Bank of Montgomery, Ala., which will be one of the finest banking rooms in the south. Contracts are in hand for the cut stone for Coleman's office and store building, the Third Christian church, and the entrance to the Presbyterian seminary, all three of these jobs in this city. We are figuring on a lot of work and prospects are good."

The Mayflower Tower.

Robert D. Kelley, cut stone contractor, Twenty-third and Arch streets, Philadelphia, Pa., is turning out some handsome work. His line is mainly cut stone for buildings and interior decorations. He secured the contract for cutting and engraving the stone contributed by the Society of the Mayflower descendants of this state for use in the tower being erected at Plymouth, Mass., commemorative of the landing of the pilgrims. The society of each state will contribute its particular stone. The shield of the society of the state of Pennsylvania, slightly enlarged, is beautifully carved upon the face of this stone, which is of King of Prussia Pennsylvania bluestone. In the stone is a peculiar rift, making the carving extremely difficult.

The Central Building Investment and Improvement Company, of 149 Church street, will erect a large six-story flat building at the northeast corner of St. Nicholas terrace and 129th street, at a cost of \$225,000. Rouse & Sloane are the architects.

INDIANAPOLIS CUT STONE MEN.

The Application of the Famous Home Product Exhibited at the Hoosier Capital.

INDIANAPOLIS, IND., June 4.—It is not surprising that in a city of this size, with its building reaching into the millions each year the cut stone industry should be one of considerable importance. With contractors demanding immense quantities the year round and the famous Indiana quarries within a radius of about 75 miles, two-thirds of the stone used in the city is cut here.

As the demand has increased, with the predominance of fireproof buildings and the scarcity of pressed brick and terra cotta, so have the facilities of the stone yards increased. At present not only is the local business cared for, but much of the finished product is shipped to Ohio, Michigan, Kentucky and adjoining states.

It is a notable fact that practically all of the stone cut here comes from the Bedford, Bloomington and St. Paul quarries, direct train service reducing the question of transportation to a minimum. At times car shortage makes stone hard to get, but at the present time car service is better than it has been for several months and the local yards are well filled.

Some of the largest stone yards in the middle west are located here. The J. H. Billingsley Company, G. Ittenbach & Co., and Ballard & Tattersall handle upward of twenty carloads of stone a week and are invariably well supplied with orders.

The oldest and probably the largest concern in the city is that of G. Ittenbach & Co. This firm was organized about forty years ago by George Ittenbach, one of the pioneer stone cutters of Indiana. The company was continued by Mr. Ittenbach and his sons until the former's death, when the sons, Frank and John B. Ittenbach, succeeded to the business. They have conducted the affairs of the company under the old name for about eighteen years and during that time have greatly increased the business and made extensive improvements.

G. Ittenbach & Co. are located on Harrison street, not far from the center of the city. Their yard is 555 feet long and about half as wide, with substantial sheds and an office building. In the rear of the general office is located a drafting room, where four experienced draftsmen are employed.

The company employs about 120 men, fifty-five of whom are stone cutters. The mechanical part is complete, the saws and machinery being modern. At present four gang saws, one diamond saw, one coarse lathe, two double planers and one single planer are used.

To facilitate the handling of the immense blocks of stone three large travelers are used. One of these is propelled by electricity, while the other two are

operated by steam. The electric traveler has a capacity of about ten and one-half tons, while the steam travelers handle twenty-five tons at a time without difficulty.

In recent years the company has installed a crusher and all material is thus used, the crushed stone being sold for road building. This in itself has grown to be a large industry with the company, for about ten carloads of stone are used weekly.

It would, of course, be impossible to mention all of the large contracts that the company has executed, but some that have been cared for in the last few years might be mentioned. These include the Marion county jail, the Board of Trade building, the Meridian Street M. E. church, Majestic building, a number of beautiful residences and the American National Bank building, all of this city; Arcade building and St. Mary's church of Dayton, O., and the buildings at St. Marys in the Woods, a school conducted by the Sisters of Providence.

The J. H. Billingsley Company, Inc., located at 1405 Bates street, has had a notable and successful history. It was organized about twenty years ago by J. H. Billingsley & Son and was continued by them until five years ago, when it was reorganized and reincorporated, outside capital being interested in the company. About three months ago the company was again reorganized and the officers are now: E. C. Dunmeyer, president; J. H. Schmid, vice president, and George H. Dunmeyer, secretary and treasurer. Mr. Billingsley has retired from active work in the company because of extensive mining interests, but still remains a stockholder in the company.

Some twenty-five men are employed in the yard in addition to the office force and a number of men who work outside. The company handles about five carloads of stone a week, all from Bedford and St. Paul quarries.

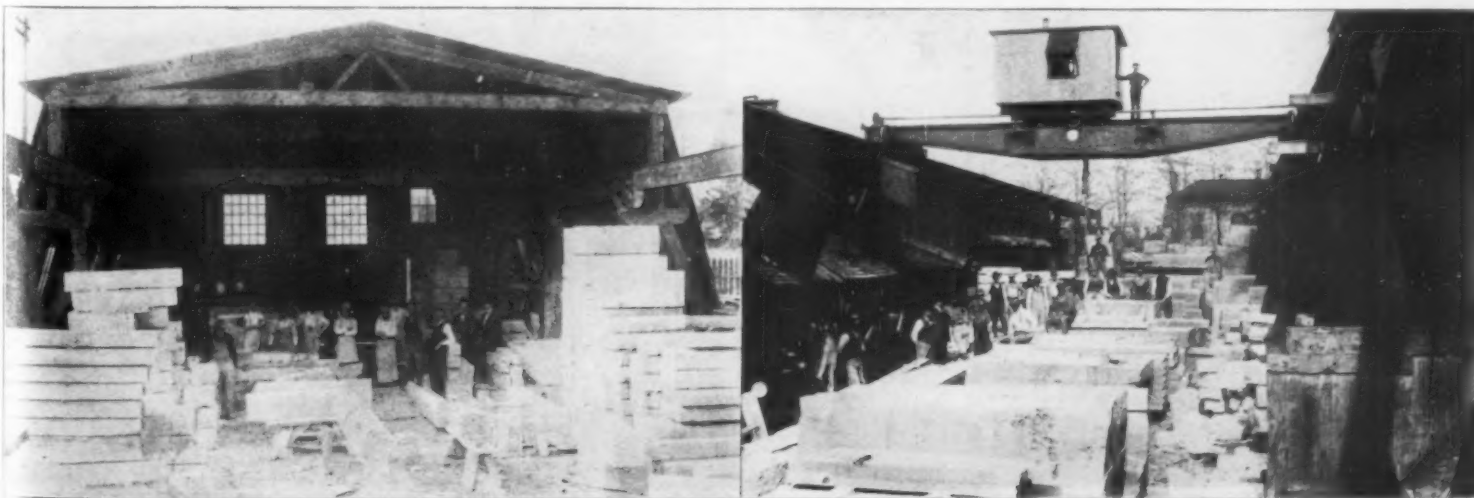
In the mechanical department one diamond saw, two gang saws, two planers and other necessary tools are used. There are two travelers, one electric and the other steam. The electric traveler is of five tons' capacity, while the steam traveler is of twenty tons' capacity.

The company has been fortunate during the last two years in obtaining some of the largest of the local contracts. Within a short time the company will begin an extensive contract for the new Merchants' National Bank building, which will be a sixteen-story structure. The first three stories are to be of stone. The company has done all of the stone work at Ft. Benjamin Harrison which is just building, and executed a large contract for the new Pythian Grand Lodge building. Many large outside contracts have also been cared for.

The only other stone yard in the city is that of Tattersall & Ballard, which is located on Market, Walnut and Pine streets. This yard, while not as large as the other two, turns out a large amount of work and has a number of very satisfactory contracts on hand. The mechanical equipment is complete and from two to four carloads of stone are handled every week.

There is, of course, some stone shipped into the city ready for use, but local concerns manage to get their share of the business and have practically all of the work they can do the year around.

The Clarke Construction Company has recently acquired a large plot on the south side of Woodruff avenue between Ocean and Flatbush avenues, Brooklyn, and will soon begin the erection of a high-grade four-story apartment house.



CUTTING SHED OF THE J. H. BILLINGSLEY CO., INDIANAPOLIS.

YARD OF G. ITTENBACH & CO., INDIANAPOLIS.

DECORATION DAY EXERCISES.

Continued from page 26b.

of the United States, including eight mausoleums, which will keep them busy for some time. Among other work of prominence which this firm has under way is the Brewer Memorial, to be erected at Erie, Pa., in memory of the first United States Postmaster to Cuba, which will be dedicated in August; a large massive pedestal to be erected at Madison, Ind., and another large pedestal, which they are getting out for a bronze company, to be erected in Chicago. They complain principally of the prices at which work is taken, they having refused a large number of orders during the past few months because they did not see any margin of profit in them. The tendency in the business seems to be, they state, for prices to go down and the cost of production to increase, with the result that the profit that was formerly in the business is now lacking.

CHICAGO, ILL.

CHICAGO, May 31.—Decoration day in Chicago was one of the most successful from every point of view ever known in the history of this city. There was scarcely a business house that did not suspend work for the day and allow their employees a holiday to take part in the services that paid respect to the memory of the nation's heroic dead. The day was given up almost entirely to demonstrations and dedications in honor of departed ones. Particularly was the day observed in the forty cemeteries that surround the city. Each and every one was thronged with crowds from early morning until late in the afternoon. Ideal weather made it a day when all could participate in the outdoor services conducted.

The survivors of the war of '61, of whom there are about 35,000 in Chicago, most of them now old and feeble, made a strong contrast to the vigorous, hearty looking lads who fought in the Spanish war. These veterans of the wars walked side by side in the processions and at the cemeteries those that remained of the original companies paid tribute to their dead comrades, while there was scarcely a family in Chicago who has some one laid at rest that was not represented in some way in the decoration of the graves.

Turning to the commercial side of Decoration day, the day of all the year for the monument dealer, it is safe to say that each and every dealer in Chicago has found the best in every way that he has ever known. There have been more orders placed for work to be completed for Decoration day and a notable feature is that a better quality of work with more expensive and elaborate design has been wanted. Around Chicago the weather has been very disagreeable all spring and it has been almost impossible to set stones. In consequence, a large percentage of work has had to go over for completion

this month. The manufacturers have been pushed to the utmost; and delayed shipments have prevented many monuments being set on time.

Welch & Mitchell, whose downtown office is at 59 Dearborn St., have their shop at Mt. Greenwood cemetery. Mr. Mitchell states that they had to let several jobs go over Decoration day on account of being rushed with orders. They erected in Bethania cemetery a sarcophagus monument cap job. The bottom base was 10' 6"x8' 6". The die was 6' 6"x3' 6"x3', and the cap 7' 9"x5' 6". The entire job was set of Barre stock furnished through Richard V. Storer. It was set without a flaw and is one of the handsomest they erected for Decoration day.

W. C. Lachle & Co., located at Rose Hill, had several large and handsome jobs which they completed for Decoration day. "We were seriously handicapped by our inability to get several pieces of stone," said Mr. Lachle. "Consequently we have several left over. One large and very pretty design we set was a Grecian sarcophagus job which was furnished by the Marr & Gordon quarry of Barre. This is a very handsome piece of axed work. The base is 8'x6' and the die 6' 2"x3' 2"x4' 4". This was furnished by Mutch & Calder of Barre." Another large job completed by this concern was for Joseph Phillipsborn, dry goods merchant of this city. It is 28 feet high with a six-foot square base. The carving on it is very handsome.

Chas. G. Blake & Co. have several large jobs that they were unable to finish. They have in Calvary cemetery a classic mausoleum which is of Barre stock, the Morton pedestal and a rock face mausoleum also in Calvary. They are at work on one of the largest and handsomest mausoleums in the country now for Judge Gary. It is not yet completed, but is expected to be finished in about three months. It is to cost when complete \$100,000.

Joseph Gast, at the St. Boniface cemetery, had several jobs on hand for Decoration day and completed most of them. Profiting by former experience he provided himself with enough labor and has had a full force working all spring. While at this shop the Rock Products man made the acquaintance of Mr. Gast, Sr., who started the firm of Bucher & Gast, which was succeeded by his son. Mr. Gast is one of the three oldest dealers in Chicago now living, and when he started in business before the Chicago fire, was located on the corner of State and Washington streets. Later he moved to the present location. Mr. Gast said that he had seen several changes in the monumental business in his time. Work in the early days was all done by hand instead of with pneumatic tools. The designs are more elaborate nowadays. Mr. Gast has retired from active business though he still keeps up his interest in the business he established.

The J. H. Anderson Granite Company, located at Rose Hill cemetery, had a great deal of business previous to Decoration day and with its large force was able to complete nearly all the orders it had

on hand for Decoration day. T. M. Avery, secretary of the company, said that they had a number of smaller jobs and a few large ones, among which was a very handsome polished sarcophagus piece with a base 10'x6', which was for Lebolt Bros., jewelers. Another job, for W. Peterson, was a monument having a 11'x6' 8" base furnished from the quarry of Marr & Gordon of Barre. They also had a large job which they set in the cemetery at Havana, Ill. It was a thirty-foot shaft of light Barre stock.

THE TWIN CITIES.

MINNEAPOLIS, MINN., June 1.—Decoration day inevitably arouses in the soul of all who have suffered bereavement a sentiment for remembrance of the departed ones and a desire to assure them a lasting remembrance in the shape of something in enduring stone. The late spring and the generally backward season have had their effect upon the monument season this spring the same as in other lines. Only where foundations were set last fall, has it been possible to contemplate setting monuments of size this spring.

St. Paul will have two monuments of more than average size and note to dedicate shortly. Owing to the interference of a number of details, they will not be in place for perhaps a month. The Nathan Hale monument will be set in place in Summit Park, on Summit avenue. It comes from Barre, Vt., and will be one of the handsomest monuments yet erected in St. Paul parks. The Schiller monument will also be erected early next month in Como Park. It will also be of Barre granite, surmounted by a handsome statue of bronze. Both these were sold by the P. N. Peterson Granite & Marble Company of St. Paul. Neither of these is a cemetery monument, but both are commemorative.

The M. J. Sullivan Monument Company of Minneapolis, has furnished a handsome monument for Devils Lake, N. D., for commemoration of soldiers and sailors. It is eighteen feet high, of Barre granite. It was unveiled Decoration day. The governor of the state, his staff and prominent citizens of the state were present. The monument was set in the soldiers' lot at the cemetery, and cost about \$2,000.

The Sullivan Company also has the contract for a handsome large monument to be set at Dowagiac, Mich. It will be of Barre, Vt., granite. The base will be of Westerly granite, fourteen feet square, and the monument will be 35 feet high. There will be a bronze color bearer surmounting the whole. The cost will be \$6,000.

MILWAUKEE, WIS.

MILWAUKEE, WIS., June 3.—As usual Decoration day was celebrated in this city with much interest and enthusiasm. There are several things that make it a place of considerable interest, chief and foremost of which is the state Soldiers' Home, near the Calvary cemetery. This home is the place where the old soldiers live and the state has allowed them a large tract of land which is beautifully maintained and where they have comfortable quarters.

Decoration day is the one day of the year for these old men and an event that they look forward to with a great deal of pleasure and interest. They are the principals in the services and celebrations which take place on that day and this year their grounds were crowded with people the entire day. Splendid weather brought crowds flocking to the cemeteries.

Forest Home, one of the principal cemeteries in the city, is one of the best in the country and contains work that, in a monumental way, is equal to any in the country. Several of the large jobs in this cemetery, noted for the uniqueness and originality of design, are the work of the Milwaukee dealers.

Work in and around Milwaukee has been delayed to a great extent by the poor condition of the roads and grounds of the cemeteries, so that it has been impossible to set a great many pieces, especially of the larger kind. Another setback they have had is the inability to get prompt shipment of stock. Orders placed several months in advance of Decoration day were delayed in some cases so that it was impossible to get them worked up for setting by that time.

A visit among the dealers develops the fact that business is better than last spring. There seem to be fewer orders for small jobs, but the orders for larger monuments with more elaborate design has increased to such an extent as to make up the difference.

Lohr & Weifenbach, whose shop is at 1046 Forest Home avenue, are among the larger dealers in the city. Besides doing a large business in monumental and statuary work they make a specialty of relief



FINE JOB SET DECORATION DAY BY W. C. LAECHLE & CO., CHICAGO, ILL.

CLEVELAND, OHIO.

work for the decoration of churches and are at present at work on several pieces. Speaking of the monumental business for Decoration day, Anton Lohr said: "We have had a good trade this spring, though we have had everything working against us. The disagreeable weather has kept people away from the cemeteries and also prevented us from setting work. Most of our large pieces have had to go over till later. We have a thirty foot shaft we are erecting in Sheboygan, Wis., for Henry Jung, and a large sarcophagus monument in Waupun, Wis. This one is a hammered job furnished by Jones Bros. of Barre. We have one job on hand that we have been trying to set but have been unable to get it to the cemetery on account of the bad roads. There is quite a coincidence in this monument. It is for Christopher Gries and is the first monument to be erected in this cemetery. It is the new Mount Olive cemetery which is about six hundred acres of ground originally owned by Mr. Gries' father. The property was recently purchased and the home on it removed. The Gries family bought the lot on which the house stood and on Mr. Gries' death he was buried on the spot where he was born. The monument consists of a figure of an angel cut in granite standing six feet high, set on three bases, the bottom one of which is 8'x5' 6"x1' 4". Mr. Lohr's brother, Edward Lohr, is a designer of considerable ability, and he furnished the design on several of the large jobs turned out by this firm.

Schaefer & Co., 1171 Forest Home avenue, have had an unusually good business this year, though a great deal of their work is done in country cemeteries and they have been handicapped by the poor roads. The Schaefer Bros. have a reputation for a high class of work and their shop, where they do considerable manufacturing, is amply supplied with the latest and most modern equipment that can be procured. Among the important and large jobs that they have had on hand for Decoration day was one monument which they set in Calvary cemetery for J. Dudenhoefer. The base is five feet square and the monument stands ten feet high. It is hammer finished and the artistic carving on the die makes it a beautiful piece of work. They also had a monument for H. Barth. This also is a hammered job with a 10' 3"x6' 10"x1' 2" base. The top and side edges of the die are handsomely carved and, in contrast with the finish, set off the work to splendid advantage.

At the Forest Home Monumental Works, 1173 Forest Home avenue, W. Stampa was seen and he said that they had enjoyed a good business this spring, though they had to let considerable work go over, not being able to set monuments, and because shipments of stock from the quarries were slow.

Lohr & Boyle, at Eighth avenue and Mitchell street, is one of the newest firms in the business, though both members of the firm are well and favorably known, having been connected with the Milwaukee Monument Company for a number of years. Charles Lohr is one of the Lohr family, well known for the sculpturing and designing they have done. Many of the best pieces of work in this section of the country are to their credit. This firm had plenty of Decoration day work and several good jobs which will be cut and set in the near future. One order they have is for a cross which will be ten feet high with a seven foot arm. It will be set on three bases and is to be of Barre stock.

John Zimmerman, who has the only shop at Calvary cemetery, when visited by the Rock Products man, said: "My orders for small jobs this spring were less than those I had last year, but I have more than made up for the loss by larger and better jobs which have given me a greatly increased business. A few of the larger jobs I was unable to set because of the non-delivery of pieces and the bad weather preventing work in the cemeteries. One of the largest monuments I had was a sarcophagus job having a 6'x4' base with a 4' 6"x2' 6"x3' die. It is rock faced and stands about eight feet high. The carved work is very handsome and the lettering sets it off to good advantage.

Albert Krings, at the Union cemetery, had one of the best seasons he has ever known. One of his large orders for Decoration day was a job which he shipped and set up in Cederberg, Wis. It was a monument of dark Barre stock, having a base 5'x3', and a richly carved die. Two markers were also furnished with the job. He has lately put in a twelve horsepower engine and contemplates putting in a larger air compressor.

The H. Sutter Granite & Marble Company has one of the newest shops in this city. They are located at Muskego avenue and Bow street. When they moved into their new quarters a few months ago they put in a complete pneumatic tool, air compressor and gas engine. Speaking of Decoration day business, Mr. Sutter said that they had a large number of orders on hand and many that were yet unfilled which they hoped to complete shortly.

"CLEVELAND, O., May 31.—Glorious weather greeted Memorial day in this city and the largest parade and most successful decoration exercises ever held here were the result.

Shortly after noon a monster memorial service was held in the Central armory, where 6,000 people had gathered to listen to the program provided. A feature of this service was a chorus of 500 school children who sang war time melodies that brought tears to the eyes of the battered old veterans in the front rows drinking in the eulogies over their lives and work which poured forth from the principal speakers.

"Tenting on the old camp ground" brought a few tears, but the old veterans bravely blinked them back until "The vacant chair" was given, when many were compelled to use their handkerchiefs. A fife and drum corps of old veterans, sadly depleted by death until one fife player, four trap drummers and one bass drummer are all that are left, played several war melodies which made the old soldiers applaud uproariously.

In the parade several of the old soldiers hobbled along on crutches, while one, the inventor of an ankle joint which he uses to replace a foot shot off in the Civil war, stalked along, gleeful in the fact that he was demonstrating that his patriotism was not waning and that his ankle joint was a great success. "Some of the old soldiers were so feeble that they had to ride in cabs.

Owing to the general prosperity of the people many new monuments were dedicated on this occasion. Ritualistic services accompanied the placing of flowers on soldiers' graves by the encampments but many private decorations were placed upon the new stones.

Philip Binz, whose monument works are opposite the Riverside cemetery, provided monuments for two celebrations held under the auspices of the Woodmen of the World. A monument for William Robertson was unveiled in Monroe cemetery. It is composed of Westerly granite and is of a very attractive design. In the West Park cemetery another monument by Binz was unveiled by Hill Camp, Woodmen of the World. It is for M. Regan and is also of Westerly granite. Mr. Binz hoped to have completed a fifteen foot high shaft for the Hopefelder family which is to be erected in Riverside cemetery. It will have a base twelve by eight feet in size and will be composed of Westerly granite. On the top will be two statues. It will cost in the neighborhood of \$2,000.

E. D. Rich & Son, with works at 6814 Woodland Ave., has supplied a large number of smaller stones for the cemeteries during the past two months. One constructed by him at a cost of \$500 for the Boyer family in Woodland cemetery was dedicated Memorial day. It is of light Barre granite six feet square at the base and about six feet high.

William M. Nottingham, whose place of business is at 6813 Quincy Ave., a street on which car service has recently been discontinued owing to the expiration of a franchise, had a number of small stones dedicated on Memorial day, but says that the lack of car service has cost him a lot of valuable business this spring. He reports that he is using Barre granite largely for his work.

J. Brogini & Bros., with shops at 6824 Woodland Ave., have had a busy season getting out monuments to be ready for Decoration day. A stone, manufactured of Concord granite, for the Stuber family was delivered a few days ago in St. Joseph's cemetery. It is six feet high and cost about \$300. Another monument of Westerly granite was shipped to Caledonia, O., for Decoration day for the Highly family. It is six feet high and six feet by four feet at the base. A blue Westerly granite monument of cottage design has been delivered in Calvary cemetery, this city, for the Schmitz family. It is twelve feet high with a base five by five feet in size. In the Woodland cemetery a monument was dedicated by the Schach family. It is of Quincy granite, six feet high with a base 5'x4' in size. The Brogini have under construction another big monument for the Crobaugh family, to be placed in Woodland cemetery. It will be five feet high with a base 4'x6' in size. It is to be composed of Barre granite and elaborately carved.

William E. Braden, of the New England Granite Works, located on Auburndale Rd., E. Cleveland, reports that his company had about a score of special orders to get out for Decoration day. Of these eight monuments were placed in Woodland cemetery. A large all polished Barre stone was placed in the East Cleveland cemetery for the Fraf family, while in Lakeview cemetery a large dark Barre granite vase or urn standing about five feet high was erected

in memory of Rev. Mr. Breher. It was manufactured so that it can be used to hold flowers.

Work at Joseph Carabelli's big shops on Euclid avenue has been rushing during the month, getting out Memorial day orders. A large monument of Quincy granite for Moses Hawley family was erected in Mayfield cemetery. It has a base 10'x6' and is seven feet high. For the Welch family a big Quincy granite stone was erected in Lakeview cemetery. The monument is about six feet high and 7'x8' in size. The Carabelli company also shipped to Ravenna, O., for Decoration day, a big monument of Quincy granite for the A. C. Williams estate.

A. J. Roche, with a factory on east Ninety-ninth St., has had a busy time preparing for the Memorial day services. He erected a large light Barre monument in Calvary cemetery for the Shinners estate. The base was 12'x6', and the monument stood nine feet high. For the Toole family a large monument was set in St. John's cemetery. It is also of light Barre granite, 8'x8' base and thirty-five feet high. Another monument erected by Mr. Roche in St. John's cemetery is for J. J. Mooney. It is of polished Westerly granite, eighteen feet high and 5'x5' at the base. In the same cemetery and for Frank Buechner Mr. Roche erected a large splendidly carved rustic cross of Indiana limestone. There are sixteen tons in the piece, which is eighteen feet high. One of the prettiest pieces set up by Mr. Roche this spring is a cross of Italian marble in St. John's cemetery for the late Andrew McCormish. It has a cluster of seventy-three raised leaves on the shaft and base of the cross.

LOUISVILLE, KY.

LOUISVILLE, KY., May 31.—The weather here was propitious for the Decoration day celebration, and consequently there was an unusually large number of people on hand at Cave Hill cemetery to join in the services in honor of the Union heroes.

Decoration day is not considered one of the big days in this section of the country, because on this side of the Mason and Dixon line there is yet some southern feeling. Still it is not so strong as to

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eliminate the natural patriotism existing in the hearts of the American people, and this day is always looked forward to with considerable interest by a regularly increasing number of people.

The number of orders for monuments received by local dealers has been large. Continued rains and unsettled weather generally have had the effect of delaying the erection of a number of monuments until past the allotted time, and some people have doubtless been disappointed at not having their wishes fulfilled.

The J. S. Clark Monument Company have been rushed with orders for high class work for some time, and have turned out some exceptionally fine jobs for well known people. Among these is an attractive monument surmounted by a statue carved from Westerly granite, with base and caps of Barre granite, for J. W. Bates, to be erected in honor of his daughter. This is only one of a number of fine jobs received by this well known firm, and is only a specimen of the kind of work to which they devote their attention. They have enjoyed an excellent spring business, and look forward to a continuance of the same.

The Muldoon Monument Company, one of the largest and best known monumental concerns in the south, has had a nice trade for some time. It is still busy, and always has plenty of high class work on hand.

The Peter & Melcher Company has had an excellent business in the monumental line, having sold a large number of jobs, including some of more than ordinary design and merit.

The Peter-Burghard Company has not been idle in its monumental department for some months. It has had orders for a number of nice jobs, and these have included some very attractive designs.

Joseph H. Peter & Co. find themselves rushed with orders for monuments of every description.

Joseph H. Gernert says that it has been difficult to keep up with his orders during the past month or more. He has never enjoyed a season so full of promise.

Kistner & Bro. are not unlike the other monument dealers in as much as they have enjoyed a brisk business this spring.

NEW ORLEANS, LA.

NEW ORLEANS, LA., May 31.—The blue and the gray did you say? No. The blue then? No. The gray? No. American citizens, heroes, if you please, who years ago engaged in a great conflict to try to settle whether a state or the nation had the right to dictate as to the affairs in the state. As in all controversies, civil or international, bitterness rankled in the hearts of many for years, but the Mason and Dixon line has been wiped out and we are one people.

The national Memorial day was celebrated with due ceremony in this city yesterday and Chalmette was the scene of a patriotic assemblage gathered to do honor to the heroes who fell for their country's cause. Col. P. H. Boyle is the department commander and some time ago he issued an order for the proper observance of the day. There are sixteen G. A. R. posts in this city all of which participated in the services of the day. The posts were assisted by the Woman's Relief Corps, G. A. R., by the Sons of Veterans and Spanish War Veterans. These different organizations assembled at the National Cemetery, Chalmette, and marched to the speakers' stand in the following order: The life and drum; invited guests; orator of the day; States of the Union represented by 48 little girls under the direction of the Woman's Relief Corps; Sons of Veterans' camps; Woman's Relief Corps; Ladies of the G. A. R.; Veterans of the Spanish War; band; department officers, followed by the several G. A. R. posts.

The orator of the day was the Hon. L. E. Bentley. The invocation was by the Rev. J. W. Washington, D. D. The introductory remarks were by the department commander, Col. P. H. Boyle.

Chalmette is historic ground—every foot of it. It was here the Battle of New Orleans was fought and won that memorable January day when victory crowned Jackson's little army, and to this day January 8 is a legal state holiday. No one knows how many of the heroes of 1812 sleep on that battlefield. They were buried but no stones mark their resting place.

Of the heroes of the sixties, 15,000 sleep here and year by year their survivors make bright their graves.

The only monument in Chalmette is the one erected by the Joseph A. Mower Post No. 1. The money was raised by popular subscription. It is a tall granite shaft on a wide base ornamented with the crossed cannon for decoration. Each grave is marked by a small marble slab.

Louisiana has three Memorial days—three days when flowers are placed on the graves in profusion. The first is the National Memorial day, May 30; the second, the State Memorial day, June 3, Jefferson Davis' birthday, when the graves of Confederate soldiers are decorated, and the third, All Saints' day, Nov. 1, when all graves are decorated. All three are state holidays, and none conflicts with the others. The New Orleans cemeteries are already rich in historic monuments.

The first Confederate monument erected was in Greenwood cemetery by the Ladies' Benevolent Association of Louisiana in 1877. The inscription reads: "In commemoration of the virtue of the Confederate soldier this monument is erected." A high green mound is curbed with gray granite and the same material floors the top of the mound. From this arises a low Egyptian column above a base of white marble. Standing on the top of the mound is a Confederate sentinel in full uniform. On the four sides of the base are the busts in white marble of Lee, Polk, A. S. Johnston and Jackson.

The tomb of the Louisiana division of the Army of Virginia is a large mound, inside of which are the tombs. The top of the mound is surmounted by a gray granite shaft, on which stands a Confederate sentinel. It was in one of the vaults of this tomb that the body of Jefferson Davis reposed until removed to Richmond, Va.

The Continental Guards, the Markham monument, the Palmer monument and Washington Artillery monument are also very imposing. The latter is a striking monument of granite, on which stands an artilleryman in uniform. On the sides of the monument are the names of those who were killed or died in the service. The tomb of the Army of Tennessee is possibly the most striking one in Metairie cemetery. It stands close to the entrance and is surrounded by an equestrian statue of Albert Sidney Johnston. At the gateway to the tomb is a Confederate sentinel. The Army of Tennessee is an association that was organized in 1877 by the Louisiana survivors, and their comrades one by one are placed in this tomb. The tombs here are all above ground, and in an association tomb or separate interments there is a series of ovens, as they are called, or pigeon-holes, where the caskets are placed and sealed up. When dust has returned to dust another comrade's remains may be placed therein, whose dust will mingle with that of his comrade who preceded him.

The tomb of Father Pere Turgis and the tomb of the Soldiers' Home veterans are among the most beautiful in Louisiana.

Fine Monument in Kansas.

ERIE, KAN., May 31.—Decoration day at this place was celebrated with an enthusiasm and earnestness in keeping with the spirit of the day, although the inclement weather compelled a change in the plans of the committees in charge of the services. The principal feature of the day was the dedication and unveiling of the monument erected by the Erie Post of the G. A. R. The pedestal is nine feet high, surmounted with the figure of a soldier at rest. The monument was designed and erected by the Chanute Marble & Granite Works, of Chanute, Kan., owned and managed by I. F. Romberger. The total height of the



SHOP OF CHANUTE MARBLE AND GRANITE WORKS.

monument is fifteen feet. The three bases and twenty-inch cap on which the figure stands make up five feet of the height. The die is of dark Barre 4'x2'x2'. The figure is six feet high and of light Barre. The bottom base is rock-faced. The letters G. A. R. are cut on the four sides of the second base and the inscription is cut on the second base. The monument cost \$1,000 and is one of the finest that has been erected in this section.

Working a Large Force.

FLEETWOOD, PA., May 29.—Charles F. Hill, proprietor of the Fleetwood Granite Works, has had four sections of men out erecting monuments, tombstones and other work for the last two weeks before Decoration day. They are working in cemeteries at Reading, Trexlertown, Dryville, New Jerusalem, Hamburg, Friedensburg, Kissenger's Church and many other points. Mr. Hill has been very busy for some time and has booked a large number of orders for high-grade monuments. Fleetwood will have no memorial exercises this year, but this fact has not materially affected the monument business.

Proposed Monuments.

A movement is on foot in the State of Connecticut to erect a monument to Gen. John Sedgwick on the battlefield of Gettysburg to cost about \$5,000. Representative Marsh, of Litchfield, Conn., is one of the promoters.

The State of Maine has arranged to erect a monument to the Federal dead in the National Cemetery at Salisbury, N. C. Colonel Libbey, of the governor's staff, has just returned from Salisbury to locate the site of the monument, which, it is planned, will be ready to unveil this fall.

A \$50,000 monument is to be erected to Joe Jefferson. Frederick Macmonnies is to design the statue. Frank Tilford, 208 Fifth avenue, New York, is a member of the executive committee.

Well-Equipped Manufacturing Plant.

HUNTINGTON, W. VA., May 29.—The F. C. McColm Granite Company, of this city, is one of the largest wholesale concerns in this section. The firm is composed of F. C. McColm, president; John D. McColm, vice president, and Wyle Stapleton, secretary-treasurer. While the concern has been established for a number of years, it has only been located in this city for about a year. The plant covers four and one-half acres of land and is on the direct line of the Chesapeake & Ohio railway. The plant is well equipped with all the latest and modern apparatus for the turning out of high-grade work. A twenty-ton traveler handles the rough stock from the cars and conveys the blocks to any part of the shop. A complete pneumatic tool plant does all the lettering and carving, the air being supplied from two large compressors. They also have three polishing machines, and the power is furnished by an 80-horsepower engine. About sixty-five people are employed and their operations extend over many states.

Firm Working Overtime.

READING, PA., May 31.—The monumental shop of Charles F. Hill has been unusually busy this spring. They report that they have been working overtime for the past month.

Removal and Additional Equipment.

ADRIAN, MICH., June 1.—The Maple City Granite Company have recently moved into newer and larger quarters and now have a splendid location. They have added new equipment to their plant and are now complete and up to date in every way.

Soldiers' and Sailors' Monument.

PROVIDENCE, R. I., May 27.—The Smith Granite Company, of this city, has recently completed the granite work on a large monument for the soldiers and sailors.

Installation of New Engine.

MASSILLON, O., May 25.—The East Side Granite Works, of this city, of which George Heysel is proprietor, is now in full operation. A ten-horsepower engine has been installed and all the machinery is new and up to date. The works employ eight men.

Vault of Barre Granite.

ABILENE, KAN., May 25.—The Abilene Monument Company, of this city, has secured a contract for the erection of a vault for the Schippel estate to be erected in Salina, Kan. It will be erected of Barre stock and will require about three carloads of stone.

Business Increasing Facilities.

MEADVILLE, PA.—The Mead Granite & Marble Company, of which M. H. Curry is manager, is increasing its business and adding much new machinery. They report that they have enjoyed a splendid business this year.

Contract for Monument Let.

CANASTOTA, N. Y., May 24.—The contract for the erection of the soldiers' monument to be erected here has been let to the Harrison Granite Company, of New York. It will cost, when complete, \$2,300, and is to be of Barre granite.

Slate.

CONDITIONS IN PHILADELPHIA.

The slate market apparently is a market by itself, and shows prosperous condition all along the line. In the Pennsylvania districts the quarries have been rushed to the limit, and the supply is far below the demand. In the Ohio territory orders are considerably behind, a condition which is attributable mainly to scarcity of labor and the miserable railroad service. In the Vermont section business is considerably handicapped by a strike, in which there is no question of wages or hours. The operators have come to the conclusion it is time a stop is put to the constant dictation of the union as to how they shall run their business. Stocks of product of regular sizes are low.

The Chapman Standard Slate Company at Chapman quarries, Northampton county, Pa., with offices in the Stephen Girard building, this city, reports business in excellent shape. They are rushed beyond all possible supply at present, turning out more slate during the last four months than ever before. They are unable to accept any new orders with promise of delivery before October. Inquiries are coming in from all over the country.

R. T. Cropper, 303 Builders' Exchange, is deluged with orders, which he finds difficult to supply on account of the lack of labor and conveying facilities at the quarries. He has several extensive operations on hand at this time. He is the sole agent of the Keystone Slate Company, with quarries at Chapman Quarries, Pa., representative of the Peachbottom Quarries Delta, York county, Pa., and sole agent for eastern Pennsylvania and southern New Jersey for the Akron Vitrified Roofing Tile Company, Akron, O.

The Keystone Slate Company, Chambers Quarries, Pa., is working to full capacity. During the month of April it turned out close to one thousand squares. Products of regular sizes, or from 14 up, are very scarce.

The Peachbottom Quarries of Delta, York county, Pa., turn out a high standard article, which, however, is not moving as rapidly as the intermediate grades. They claim business moving in easy grooves.

The Akron Vitrified Roofing Tile Company, Akron, O., is much inconvenienced by lack of cars and labor, consequently is far behind in getting out orders.

The Graduated Slate Roof.

A graduated slate roof calculated theoretically and proved by practical examples of long standing to be among the first as regards durability and beauty is gaining popular favor at present. The idea is by no means new or modern, for very ancient examples of the application of this form of roofing can be seen in the time-honored villages of Europe, and the present excellent condition of these serves to show the substantial character of this covering and recommend it to the use of present-day builders.

The slates composing such a roof are graduated as regards thickness, length and exposure. Starting at the eave course slates as thick as $\frac{3}{4}$ inch are used, which have a length of 30 inches and an exposure of $13\frac{1}{2}$ inches, and from this first course continuing to the top of the roof the thickness, length and exposure of the slates diminish until the last course can contain slates as thin as $\frac{1}{2}$ inch, 14 inches in length and have an exposure of $5\frac{1}{2}$ inches. Thus we see that the exposure of the various slates used can run from $12\frac{1}{2}$ inches to $5\frac{1}{2}$ inches, while the thickness varies from $\frac{3}{4}$ to $\frac{1}{2}$ inch and the lengths from 30 to 14 inches.

The Mathews Consolidated Slate Company, Sears building, Boston, Mass., is making a specialty of graduated slate roofing and has carefully studied the requirements of its various forms. It will therefore be interesting to those concerned in roofing to note the various specifications as prepared by the Mathews Company and which are printed in this issue. The illustration on this page will give a general idea of the appearance and construction of a slate roof according to their specification "F" which appears here. It will be necessary to explain that while the slates composing the roof graduate in thickness, length and exposure, they do not follow any set rule of proportion regarding widths. All

of the specifications shown here provide for random widths only:

SPECIFICATION "F."

Exposure $5\frac{1}{2}$ in., 14 in. long; exposure $6\frac{1}{2}$ in., 16 in. long; exposure $7\frac{1}{2}$ in., 18 in. long—50% 3-16 in. thick. Exposure $8\frac{1}{2}$ in., 20 in. long; exposure $9\frac{1}{2}$ in., 22 in. long; exposure $10\frac{1}{2}$ in., 24 in. long—35% $\frac{1}{4}$ in. Exposure $11\frac{1}{2}$ in., 26 in. long; exposure $12\frac{1}{2}$ in., 28 in. long—10% $\frac{3}{8}$ in.

Exposure $13\frac{1}{2}$ in., 30 in. long—5% $\frac{1}{2}$ in. The average cost of specification "F" is given at \$9.73 per square, not including the eave course.

The exposures in the following specifications are the same as shown in specification "F" shown above:

SPECIFICATION "G."

40% 3-16 in.—Lengths, 14, 16, 18 in.
30% $\frac{1}{4}$ in.—Lengths, 20, 22 in.
15% $\frac{3}{8}$ in.—Lengths, 24, 26 in.
10% $\frac{1}{2}$ in.—Length, 28 in.
5% $\frac{3}{4}$ in.—Length, 30 in.
Doubled eave course of $\frac{1}{2}$ in. slates.
Average cost, \$11.80 per square (not including eave course).

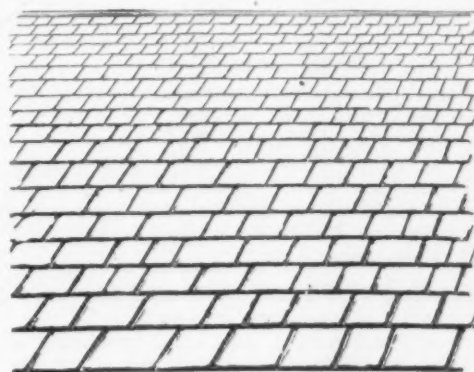
SPECIFICATION "H."

35% 3-16 in.—Lengths, 14, 16, 18 in.
30% $\frac{1}{4}$ in.—Lengths, 20, 22 in.
20% $\frac{3}{8}$ in.—Lengths, 24, 26 in.
10% $\frac{1}{2}$ in.—Length, 28 in.
5% $\frac{3}{4}$ in.—Length, 30 in.
Doubled eave course of $\frac{1}{2}$ in. slates.
Average cost, \$12.24 per square (not including eave course).

SPECIFICATION "J."

50% $\frac{1}{4}$ in.—Lengths, 16, 18, 20 in.
25% $\frac{3}{8}$ in.—Lengths, 22, 24 in.
15% $\frac{1}{2}$ in.—Lengths, 26, 28 in.
10% $\frac{3}{4}$ in.—Length, 30 in.
Doubled eave course of $\frac{1}{2}$ in. slates.
Average cost, \$15 per square (not including eave course).

To add beauty to the roof the Mathews Company recommends the use of variegated green and purple for the graduated roof, and samples of this style



A GRADUATED SLATE ROOF.

which can be seen in the office of W. H. Kirtland, New York agent of the Mathews Slate Company, are particularly attractive. The fading quality of some slate does not lessen the beauty of such a roof, but by subduing the contrast and softening the appearance makes the general aspect of such a roof the more pleasing to the eye. However, this is not an essential point, as any color, fading or unfading slate, can as readily be used. Mr. Kirtland, who is a practical slate man, has prepared practical illustrations of the graduated slate roof, which can be seen at his office, 1123 Broadway, New York.

Operate New Quarry and Mill.

Owing to a great increase in the demand for their product, partly occasioned by large government contracts, the Mathews Consolidated Slate Company, Sears building, Boston, Mass., have been forced to greatly increase the production of slate and now announce that they are ready to start the operation of their new mill at Janesville, N. Y., an outlying suburb of Granville. In addition to this new mill they are beginning to operate a large new quarry near this new plant, which is adjacent to their Empire property.

Building Lull Affects Slate.

W. H. Kirtland, one of the most progressive slate dealers in New York, whose office is at 1123 Broadway, stated to the representative of ROCK PRODUCTS that the slate industry has in general felt the effects of the existing depression in the building trades. Mr. Kirtland is, however, not pessimistic in his attitude, but takes the present condition as entirely a matter of course, brought about by unfavorable weather conditions and other things responsible for the late start in building operations. He believes, drawing his conclusion from the present manifesta-

tions of improvement, that it will be but a short time until there will be at least a normal demand for all building materials as well as slate in New York. Mr. Kirtland represents some of the largest operators in the Vermont, New York and Pennsylvania slate regions, and after frequent visits to the quarries and mills believes that business is in an excellent condition considering the obstacles to be overcome. He looks for immediate improvement.

Big Slate Merger.

One of the largest slate deals that has ever been made in Pennsylvania was made at Bangor on May 9. A combination of interests was effected and the new company has a capital of \$500,000.

The people interested are all well known in the district. They are John F. Jackson, William Jackson, Mrs. M. A. Stephens, Clarence Stephens and Nicholas Male of Pen Argyl; William Bray of East Bangor, Conrad Miller of Nazareth and many others.

The company has purchased from the estate of D. C. Blair property on which is located a number of quarries and leased by the following operators: William Harding & Co., Richard Jackson & Co., Jackson Bros. & Co., Joseph Kello & Co., the Bangor Slate Mining Company and William Masters Company, all in the Pen Argyl district. The property consists of 240 acres of land and contains slate of a high quality.

Busy in Vermont.

NORTHFIELD, Vt., May 31.—The Vermont Black Slate Company of this place reports that it has its mill and quarry in operation and has an abundance of orders on hand. They have put on several more men and say that the outlook for a greater production of slate is very favorable.

Hold Annual Meeting.

The annual meeting of the stockholders of the Bangor Union Slate Company was held in Boston last month. The usual business was transacted and the following officers were elected: President, W. J. Turner, Philadelphia; vice president, R. S. Brown, Easton; treasurer, J. B. McCormick, Easton; secretary, E. R. Armstrong, Easton.

New Company Formed.

The Blue Ridge Slate Company of Slatington, Pa., has been formed and will operate what is known as the former Gem slate property at Danielsville. The officers of the company are: President, D. E. Purcell; vice president, C. Amy; secretary-treasurer, A. P. Berlin. They will manufacture roofing slate.

Wants Large Amount of Slate.

An American consul in Germany in his report states that he is in touch with a large user of slate who wants to get into communication with slate producers in the United States with the object of buying the American product. The slate that he used previous to this time has come from quarries in eastern France, but that supply is now exhausted. The amount required is about 400 carloads of the rough stock cut in squares. It is wanted for the manufacture of school slates. The German duty on rough slate is \$2.38 per ton except rough blocks, which are free, and on polished slate \$14.28 per ton, though after July 1 the duty will be higher. The sizes wanted are 9 by 6 inches and 11 by 16 inches.

Inspect Delta Quarries.

A delegation of men from Baltimore, Md., spent a day last month visiting and inspecting the slate quarries in the vicinity of Delta, with the end in view of developing some of the deposits in that locality. George Blakistone, president of the Union Trust Company, headed the party. Mr. Blakistone is interested in some of the quarries.

Strike in Granville District.

The quarrymen in the district surrounding Fair Haven, N. Y., have been affected by a strike. More than 500 slate workers were out. The men demanded a nine-hour day for ten hours' pay.

The United Peach Bottom Slate Company has been incorporated under the laws of Delaware for \$25,000. The company will deal in slate. The incorporators are Baltimore, Md., men.

The Cherokee Slate Company of Atlanta, Ga., has been incorporated for \$50,000 to quarry slate. The company is headed by R. M. Walker.

Side Talk.

Interesting Pamphlet Just Issued.

Stone-yard and quarry owners who want to save time and labor and who appreciate good mechanical details and efficiency will, we believe, be interested in a pamphlet just published by the Joyce-Cridland Company, of Dayton, Ohio. This concern has built lifting jacks for 30 years and was the first to introduce the use of high-grade steel, accurately machined parts and other improvements. The present pamphlet is devoted entirely to jacks for stone-yard use, including lever jacks, geared lever jacks, double movement screw jacks, rapid movement screw jacks, hydraulic jacks and an improved type of bell base jack. Every jack sent out by this company is tested on a hydraulic press to twice its capacity, so that it may be guaranteed with an offer to refund the amount of the purchase if it does not come up to all claims.

An artistically produced catalogue of "Chicago Giant" rock drills and kindred appliances is being sent to the trade by the Chicago Pneumatic Tool Company. The book is printed in colors on high grade paper and contains ninety-six pages of matter referring to rock drills. The text is well written, fully explanatory, and is embellished with half-tone engravings illustrating the "Chicago Giant" rock drills and views of parts, followed by several pages devoted to rock drill steels, and an interesting description of the method of lubrication used in the "Chicago Giant," one of the distinguishing features of the drill. Several pages are devoted to Franklin air compressors, another of the company's products, followed by illustrations and descriptions of the "Baby Giant" or "One Man" rock drills, and scenes at work. Catalogue No. 22 is the title of the book.

Copies will be forwarded upon request by addressing the Chicago Pneumatic Tool Company, Fisher building, Chicago, or 95 Liberty street, New York, N. Y.

The Sprague Electric Company of New York City has opened a district office in the Hennen building, New Orleans, a move which has been necessitated by the constantly increasing business in its various products in the southern territory. This office is under the management of F. V. L. Smith, lately chief inspector of the Louisiana Bureau of Fire Prevention, and will cover the territory included in the states of South Carolina, Florida, Alabama, Georgia, Tennessee, Mississippi, Louisiana, Arkansas, Texas, Oklahoma and Indian Territory.

The Harrison Supply Company of Boston, Mass., have published a new catalogue on the subject of granite tools and polishers. After careful perusal we find it to be one of the most complete and up-to-date catalogues of the kind that has come to our office. The illustrations are superb and were produced direct from photographs, many of them showing tools in actual operation. The typography, printing, illustrations, arrangement, classification, etc., have been given special thought and although the book itself is pleasing to the eye, the technical information contained therein should prove extremely valuable to any individual or concern in the marble or granite business. Every producer and user of granite and marble should secure one of the Harrison catalogues. We are informed that a request will bring the book by return mail.

Several Large Contracts.

Among the work secured last month by the George A. Fuller Company of New York City is the contract for the new Knickerbocker Trust Company's building at the northeast corner of Broadway and Exchange place, running through to New street on the present site of the Consolidated Exchange. This building was designed by McKim, Mead & White of 160 Fifth avenue, and is to be twenty-three stories in height. The Fuller Company also have the con-

tract for the erection of the new building for the Lawyers' Title Insurance and Trust Company, on the present site of the Guernsey building at 160 Broadway. This will be sixteen stories high on Broadway with an eight-story "L" on Maiden Lane. Clinton & Russell are the architects for this structure.

This is the season of the year when every quarryman should see that his derricks, winches, dogs and the like are in good working condition and of modern design. Look through the Parker Hoist & Machine Company's catalogue and see what you need that is up-to-date. I was in a quarry last week where an old, rusty chain was being used and was materially retarding the progress of the work. By the expenditure of a little money a new chain could have been doing the work at a saving of three cents per day. Three cents is a small economy, but when joined with other small economies it has the power to make the year's profits take on prosperous proportions.

The Parker Hoist & Machine Company are making you some special propositions just now that will interest you and mean a big saving to your purchase of a derrick. This company has a full supply of such equipment and can furnish just what the smallest, as well as the largest, quarryman needs.

That it pays to do good work has just been shown in the award of the granite contract for the new building of the Importers' and Traders' National Bank, to be erected at 247 Broadway, New York. The building committee of this bank were so favorably impressed with the Hardwick white granite that the Woodbury Granite Company was the only firm asked to bid. It is a common saying that "it is not the first orders, but the repeat orders, that count;" and this instance seems to show that there is truth in the phrase.

The Standard Railway Equipment Company announces the change of address of its New York office to 90 West street instead of the old location on Liberty street.

CLASSIFIED ADVERTISEMENTS

Advertisements will be inserted in this section at the following rates:

For one insertion 25 cents a line
For two insertions 50 cents a line
For three insertions 60 cents a line

Eight words of ordinary length make one line.
Headings counts as two lines.
No display except the headings can be admitted.
Remittances should accompany the order. No extra charges for copies of paper containing the advertisement.

EMPLOYEES WANTED

QUARRYMEN WANTED.

Fifty quarrymen, wages \$1.54 per day with board and lodging. Excellent locality.
JAMESON LIME COMPANY, Tehachapi, Cal.

BUSINESS OPPORTUNITIES

FOR SALE.

Half or controlling interest in finest and largest marble deposit in west, located in Stevens Co., Wash. Excellent transportation. All colors, lime, cement, water, improvements on property. SCHOTTE, Newport, Wash.

FOR LEASE OR SALE.

Limestone quarry in southwestern Missouri, immediately alongside the K. C. C. & S. railway, one-half mile from Phenix and Walnut Grove, Mo., thoroughly and practically opened. Inexhaustible quantity and quality unexcelled. Absolutely no stripping or getting ready, but ready for channeling and loading in cars. One 400 bushel daily capacity lime kiln in operation and product sold. Rigid investigation solicited. Address
B. F. THREWEIT, Owner, Denver, Col.

MANAGER WANTED.

A practical man with some capital to purchase an interest and manage a cut stone business in a large city. This is a modern plant in every particular and has a large and well established business. Address
"B. 3," care ROCK PRODUCTS.

FOR SALE.

A good paying marble and granite business, with small stock of monuments, rough pieces, tools, etc. I have been running it for the last 13 years and wish to retire from the stone business. Located at Bakersfield, Kern county, Cal. The only shop in the whole country. City's population, 10,000; county's population over 16,000, not counting the new colonies being formed now. For further particulars, apply to
B. K. STONE,
1673 Chester Ave., Bakersfield, Kern County, Cal.

FOR SALE OR LEASE.

White sandstone quarry (40 acres), Fort Collins, Colo., district, 75 miles from Denver. Equipped and operative. Immediately alongside C. & S. railway. As good stone and as much of it may be quarried here with as little expense as any point in Colorado. Address
B. F. THREWEIT, Owner, Denver, Col.

MACHINERY FOR SALE

FOR SALE.

Sullivan "Z" channeling machine, in good running order, complete with 10 gangs, of tools up to 10 ft.; 30 ft. of section track wrenches, etc., without boiler. Located at and apply to
HOLMESBURG GRANITE CO., Philadelphia, Pa.

STONE CRUSHING EQUIPMENT

For sale, consisting of jaw crusher, dry pan, boiler, engine, water heater, pumps, tanks, belting, shafting, conveyors, cableway 3/4 mile long with buckets, towers, etc.; portable track, cars, etc.; all in good condition and but slightly used. Address
STANDARD STONE COMPANY, York, Pa.

INGERSOLL TRACK CHANNELER

In first class condition, for sale. With or without boiler. Bargain.
FT. MADISON & APPANOOSE STONE CO.,
Ft. Madison, Iowa.

FOR SALE.

Number 8 new pulsometer pump and fittings, equal new. Many other pumps, boilers and engines. Everything.
MASLINS, 165 First St., Jersey City, N. J.

PLANT FOR SALE

LIMESTONE CRUSHING PLANT

With quarry land for sale. One mile from Joliet, Ill., on Rock Island Ry. The plant is right. The price is right. Address E. G. BOWEN,
1257 First National Bank Bldg., Chicago, Ill.

FOR SALE OR LEASE.

A complete cut stone plant, with all modern machinery, in the oilfield district of Indiana. A great opportunity to get into an established business. Good buff quarry will be sold with it or separately. Wish to retire but will remain until you are settled if so desired. Address
"YOU & ME," care ROCK PRODUCTS.

FOR SALE.

Steven's Process patent right for Pennsylvania, east of Pittsburgh, and state of Maryland: two-story frame building, 66x298 feet, with concrete floor, slag roof, pattern shop, pattern benches and machinery; patterns, tools, office equipment and office, boiler, etc., etc. Pennsylvania R. R. switch entire length of building. Address
STANDARD STONE COMPANY, York, Pa.

STONE PLANT.

We offer our entire stone plant for sale, consisting of one gang saw 12 ft. long, one power derrick 45 ft. boom, one 30-horsepower Atlas engine, one 40-horsepower tubular boiler, one Gardner pump, one 6x7 Clayton belt driven air compressor, and such other tools necessary to equip a stone yard, including buildings. We will sell all or part, as railroad company bought the property on which it is located and same must be vacated by July 1, 1907. The entire plant can be bought at a very low figure.
THE CENTRAL CITY STONE CO., Peoria, Ill.

MARBLE PLANT FOR SALE.

A long established business in Hamilton, Ill., a city of 1,400 inhabitants. Have been in the granite and marble business in this country for 41 years. Country prosperous; plenty of work. Fine opening for an active, practical man. Owner's health poorly. For particulars address
GEO. W. ROSE, Hamilton, Ill.

MISCELLANEOUS

Heavy truck wagon with brake, had little use, capacity 12 tons. Also air compressor for pneumatic tools.
J. G. BARGER, Atwater, N. Y.

We Do Round Work



Our specialty is all kinds of monumental round work. We are in position to give our customers first class work and prompt shipments. We turn columns, vases, pilasters, urns, etc. and take care of all square work that goes with it.

J. J. Sullivan,

EAST BARRE, VT.

WAUSAU RED GRANITE

Famous for its color and brilliancy. We have the finest stock in this district, either in the rough or finished.

ANDERSON BROS. & JOHNSON
GRANITE HEIGHTS P. O., WIS.

Pressed Steel Turn Tables



**Broomell-Schmidt & Steacy
Company**

YORK, PENNSYLVANIA

C. & C. APPARATUS

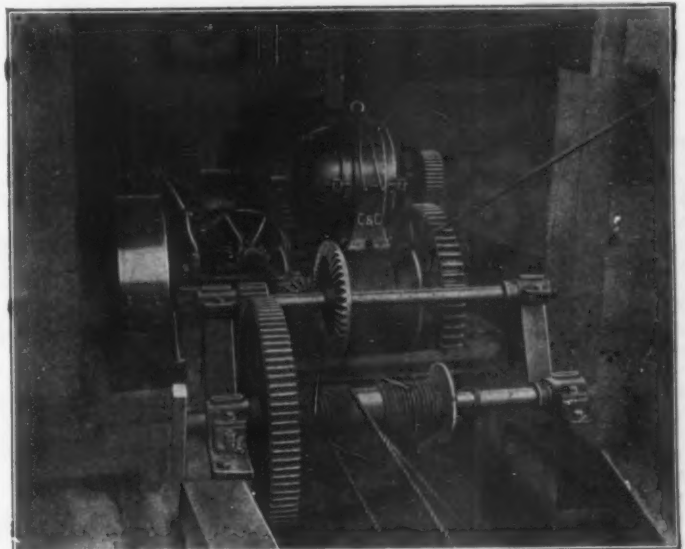
Is designed to meet all kinds of

HEAVY DUTY

—it is specially built

For Quarry Work

Our Installations at the Ohio & Bedford
Quarries Co., show our wide ex-
perience in this line.



Type S Motor Driving Hoist, Bedford Quarries Co.

THE C. & C. ELECTRIC COMPANY,

WORKS AND GENERAL OFFICE, GARWOOD, N. J.
NEW YORK OFFICE, - - 149 BROADWAY.

BRANCH OFFICES:

Philadelphia, Chicago, Boston, London.

St. Louis Agents, The Pan-Electric S. & A. Co.,
Cleveland Agent, David Gaeher, 135 Schofield Building,
H. E. Cole & Co., 1323 Park Building, Pittsburg, Pa.
Geo. W. Thornburgh, 1310 Sixteenth Street, Denver, Col.
Walter Clarke Dean, Bank of Commerce Bldg., Norfolk, Va.
The Standard Electric Construction Co., Granite Bldg., Rochester.
Henry Widmer, Hibernia Bank Building, New Orleans.

Tell 'em you saw it in ROCK PRODUCTS.

DOOR EXTRA
HIGH
CAN BE MADE
AUTOMATIC

WATT

EXTRA STRONG
HOLDS 25 PER
CENT GREATER
LOAD



QUARRY CARS





THE WATT MINING CAR WHEEL COMPANY
BARNESVILLE OHIO U.S.A.

CONSOLIDATED GRANITE CO., Proprietors.

NORTH CAROLINA BLUE PEARL GRANITE

VERY DARK BLUE—Compact—Uniform Color and Texture. Shows no scale. Positively will not corrode.

LETTERING AND HAMMERED WORK shows GRAY, making a contrast unequalled.

FULL MODERN EQUIPMENT for Squaring, Polishing and Finishing. SPECIAL FREIGHT RATES in effect to all sections of the United States.

WRITE FOR CATALOGUE AND SAMPLE. Estimates promptly furnished on special designs.

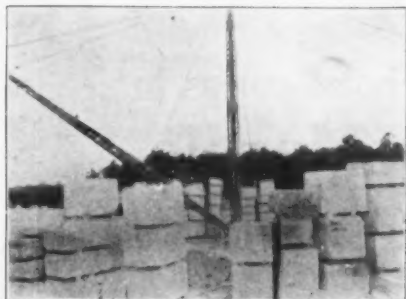
Consolidated Granite Co., Winston-Salem, N. C.

(SUCCESSORS TO C. A. McALLIARD & SON)

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	Dallett, Thos. H., Co.....57-60		Norton, C. S., Blue Stone Co.....31	Spring River Stone Co.....46
	Dillon & Haley.....50	Jeffrey Mfg. Co.....2	N. C. Granite Corporation.....48	Steam Stone Cutter Co.....1
	Doucette Bros.....52	Kennesaw Marble Co.....43		Stone Working Mac. Co.....4
	Dugan Cut Stone Co.....31	Koppel, Arthur, Co.....7	O'Brien, P.....47	Stroudsburg Engine Works.....47
	Du Pont Powder Co.....7	Kotten, H. G.....10	Oliver, Wm. J., Mfg. Co.....60	Sturtevant Mill Co.....60
			Oman Bowling Green Stone Co.....1	Sullivan, J. J.....41
	Eclat Granite Co.....51	Lane, W. A.....47	Oolittle Stone Co. of Indiana.....30	Sullivan Mch. Co.....10
	Empire Stone Co.....31	C. B. Lau.....9		Throop, A. T.....47
		Lehigh Car & Axle Co.....6	Parry, L. L.....47	Teasdale, R. J.....10
	Falconer & Co.....55	Lincoln Iron Works.....2	Patch, F. R., Mfg. Co.....59	Trow & Holden.....57
	Finerty, J. W.....47	Lombard Foundry & Mac. Co.....47	Pennsylvania Structural Slate Co.....47	
	Frenier & Son.....9		Perry-Mathews-Buskirk Stone Co.....28	Watt Mining Car Wheel Co.....42
	Furst, Kerber Stone Co.....30	McKenna, David.....47	Pfeiffer Stone Co.....56	Webb, Percy C.....56
		Macomber & Whyte Rope Co.....6	Pirle, J. K.....51	West Leechburg Steel Co.....8
C. & C. Electric Co.....41		McMillan, C. W., & Son.....50	Pittsburg Crushed Steel Co.....2	Winnboro Granite Co.....42
Caden Stone Co.....1	Gade Bros. Mfg. Co.....8		Power & Mining Machinery Co.....8	Woodbury Granite Co.....49
Cameron, D. E.....55	Georgia Marble Co., The.....44		Pulsometer Steam Pump Co.....1-9	Wonham-Major Eng. Works.....6
Cantley, Robert.....55	Glysson, E. C.....52			Yale & Towne Mfg. Co.....10
Carpenter, R. H.....47				
Carthage Bldg. Stone Co.....46				

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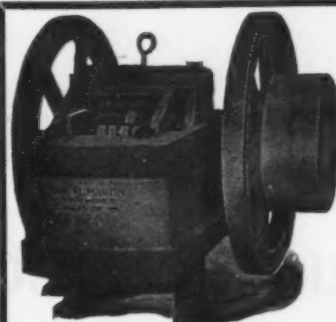
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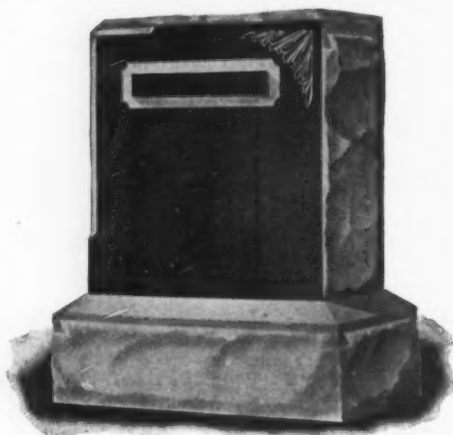
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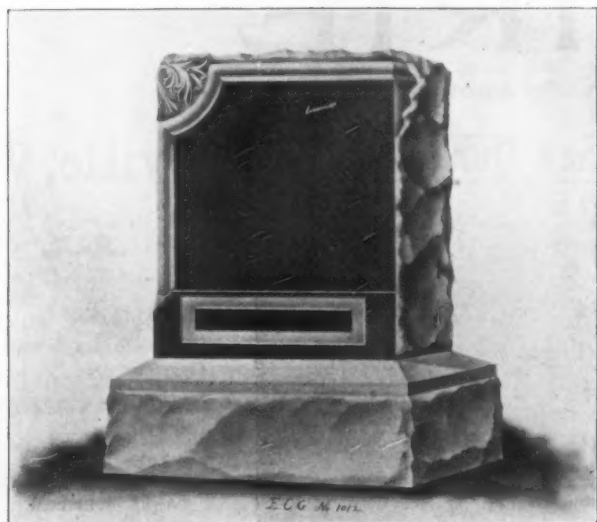
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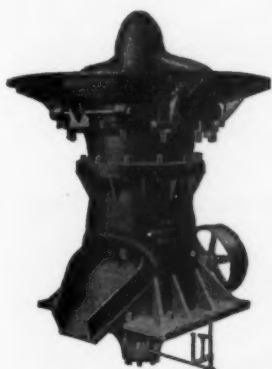
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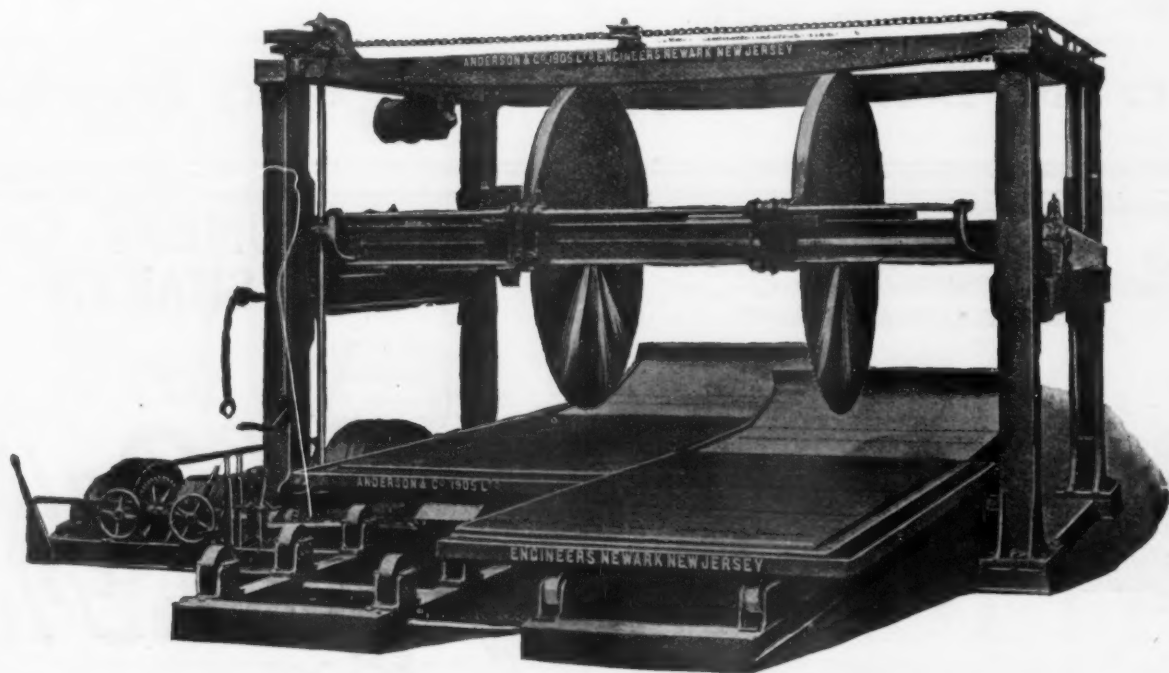
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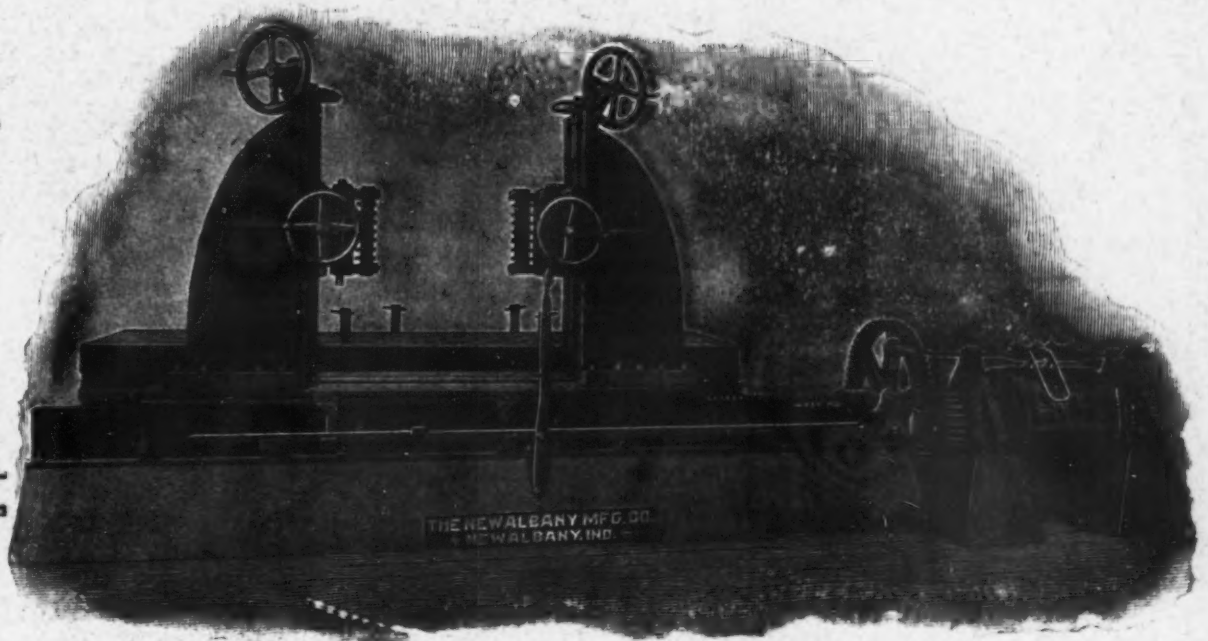
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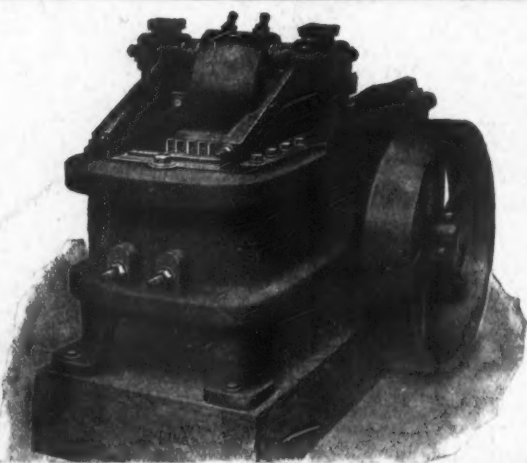


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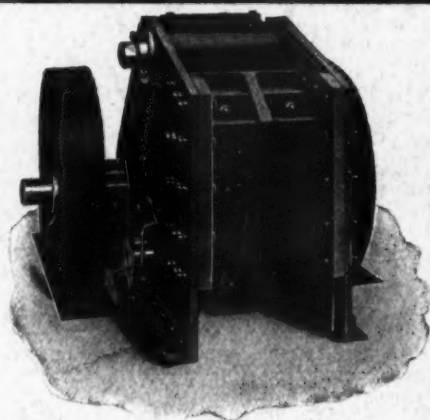
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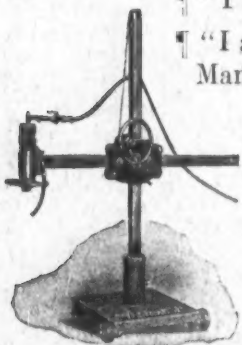
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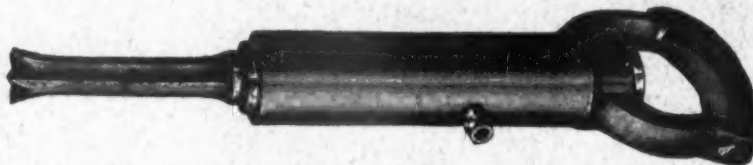
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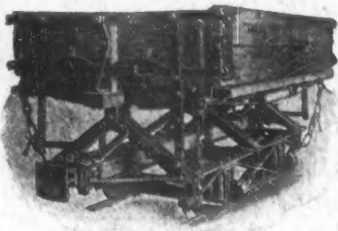
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